

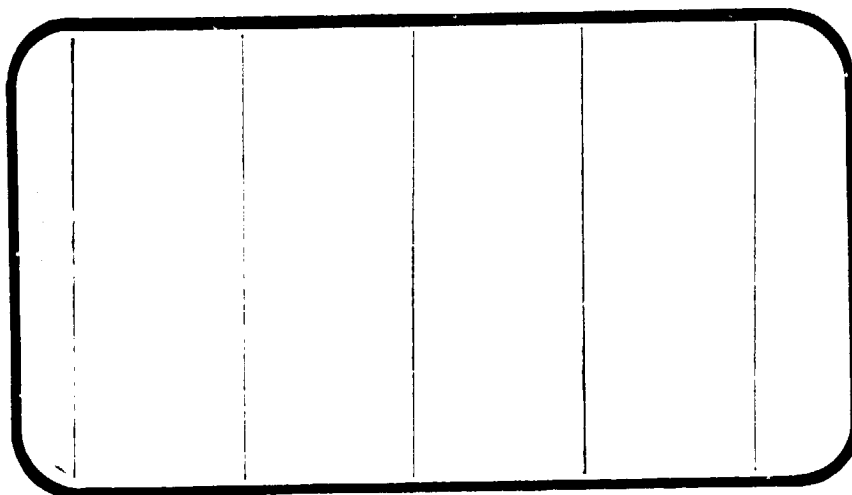


NASA

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

NASA CR-

141530



(NASA-CR-141530) AIRLOADS INVESTIGATION OF  
AN 0.030 SCALE MODEL OF THE SPACE SHUTTLE  
VEHICLE 140A/B ORBITER CONFIGURATION (MODEL  
47-0) IN THE ARC 9 BY 7-FOOT UNITARY PLAN  
WIND TUNNEL FOR MACH 1.55 AND 2.2 (OA22B)

N75-23650

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SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT

JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA MANAGEMENT services

SPACE DIVISION



CHRYSLER  
CORPORATION

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NASA CR-141,530

AIRLOADS INVESTIGATION OF AN 0.030-SCALE MODEL OF  
THE SPACE SHUTTLE VEHICLE 140A/B ORBITER  
CONFIGURATION (MODEL 47-0) IN THE ARC 9 BY 7-FOOT  
UNITARY PLAN WIND TUNNEL FOR MACH 1.55 AND 2.2 (0A22B)

By

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Prepared under NASA Contract Number NAS9-13261

By

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New Orleans, La. 70189

for

Engineering Analysis Division

Johnson Space Center  
National Aeronautics and Space Administration  
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number: ARC 97-716  
NASA Series Number: OA22B  
Model Number: 47-0  
Test dates: 19 through 20 September 1973

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Chrysler Corporation Space Division assumes no responsibility for the data presented other than display characteristics.

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ABSTRACT

This report presents results of tests conducted on a 0.030-scale orbiter model of the Space Shuttle Vehicle 140A/B in the NASA/ARC 9- by 7-Foot Unitary Plan Wind Tunnel. Aerodynamic loads data were obtained at Mach numbers of 1.55 and 2.2.

Surface pressure distributions were obtained simultaneously with six-component stability and control force data on the orbiter configuration. The configuration simulated the 140A/B orbiter. Angles of attack from 0 degrees to +27 degrees and angles of sideslip from -10 degrees to +10 degrees were investigated. Model variables included elevon, rudder, and speed brake deflections. The tests, designated OA22B, were conducted on 19 and 20 September 1973.



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10	B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = 1.55, ELEVON = 0	ALPHA	C	61-69
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12	B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = 1.55, ELEVON = -20	ALPHA	C	79-87
13	B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = 2.2, ELEVON = -20	ALPHA	C	88-96

## PLOTTED COEFFICIENT SCHEDULE:

- A) CN, CLM, CA, CAF, CY, CYN, CBL, CL, CD, L/D versus BETA
- B) CN, CLM, CA, CAF, CY, CYN, CBL, CL, CD, L/D versus ALPHA
- C) CN, CLM, CA, CAF, CY, CYN, CBL, CL, CD versus BETA

# INDEX OF DATA FIGURES (PRESSURE)

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ORBITER BASE PRESSURES	TAP NO., ALPHA	(D)	135-140
OMS NOZZLE PRESSURES	PHI, X/LNM, ALPHA	(D)	141-152

## PLOTTED COEFFICIENTS SCHEDULE:

- (A) CP versus X/LB
- (B) CP versus X/CW
- (C) CP versus X/CV
- (D) CP versus BETA

# INDEX OF DATA FIGURES (PRESSURE) - CONTINUED

The plotted pressure data presented as a function of angle of side-slip, angle of attack, and geometric parameter, are representative of the tabulated data presented in the Appendix. A summary of the pressure data plotted is given below.

<u>DATASET PLOTTED</u>	<u>COMPONENT</u>	<u>MACH</u>	<u>PHI SCHED.</u>	<u>BETA SCHED.</u>	<u>ALPHA SCHED.</u>	<u>GEOMETRIC PARAMETER SCHEDULES</u>
RB4B15	ORB. FUSELAGE	1.55	(A)	(A)	(A)	
RB4B16	ORB. FUSELAGE	2.2	(A)	SEE PLOTS	(A)	
RB4U15	UPPER WING SURF.	1.55	-	SEE	SEE	Y/BW (A)
RB4L15	LOWER WING SURF.	1.55	-	PLOTS	PLOTS	Y/BW (A)
RB4U16	UPPER WING SURF.	2.2	-	SEE	SEE	Y/BW (A)
RB4L16	LOWER WING SURF.	2.2	-	PLOTS	PLOTS	Y/BW (A)
RB4V15	VERT. TAIL LT. SURF.	1.55	-	SEE	SEE	Z/BV (A)
RB4R15	VERT. TAIL RT. SURF.	1.55	-	PLOTS	PLOTS	Z/BV (A)
RB4V16	VERT. TAIL LT. SURF.	2.2	-	SEE	SEE	Z/BV (A)
RB4R16	VERT. TAIL RT. SURF.	2.2	-	PLOTS	PLOTS	Z/BV (A)
RB4C15	ORBITER BASE	1.55	(B)	(A)	(A)	TAP NO. (A)
RB4C16	ORBITER BASE	2.2	(B)	(A)	(A)	TAP NO. (A)
RB4E15	OMS NOZZLE	1.55	(C)	(A)	(A)	X/LNM (A)
RB4E16	OM NOZZLE	2.2	(C)	(A)	(A)	X/LNM (A)

## PARAMETER SCHEDULE

### ALPHA

(A) 0, 10, 20

### BETA

(A) -5, 0, 5

### PHI

(A) 0, 20, 40, 55, 70, 90, 120, 135, 150, 165, 180

(B) 0

(C) 135, 180, 225

INDEX OF DATA FIGURES (PRESSURE) - CONCLUDED

Y/BW	(A)	.299, .364, .427, .534, .673, .780, .887
Z/BV	(A)	.158, .316, .600, .840, .925
TAP NO.	(A)	1, 2, 3, 4, 5
X/LNM	(A)	.2, .4

## INTRODUCTION

The 0.030-Scale Aero Loads Space Shuttle Model was tested in the ARC Unitary Plan Wind Tunnels as follows:

IA14A	4 thru 13 Sept. 1973
IA14B	17 thru 19 Sept. 1973
OA22A	13 thru 14 Sept. 1973
OA22B	19 thru 20 Sept. 1973

For tests IA14A, IA14B, and OA22A see references 18, 19, and 20, respectively.

The testing was conducted in the 11-foot and the 9- by 7-foot tunnels of the ARC Unitary Plan Wind Tunnels. The IA14A/B tests were for the launch configurations at Mach numbers from 0.6 to 2.2. The OA22A/B tests were for the orbiter alone configuration at Mach numbers from 0.6 to 2.2. The effects of control surface deflections were also investigated in tests OA22A/B.

This report for test OA22B consists of one volume which includes both the force and pressure data.

Contents		Pages
OA22B	plotted force data	1-96
OA22B	plotted pressure data	1-152
OA22B	tabulated force data	1-8
OA22B	tabulated pressure data	
(a)	Orbiter fuselage (B)	1-84
(b)	Orbiter base (C)	85-108
(c)	OMS nozzle (E)	109-133
(d)	Body flap (F)	134-157
(e)	OMS pod outside (M)	158-181
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(h)	Right vertical tail (R)	388-425
(i)	Left vertical tail (V)	426-463

# NOMENCLATURE General

<u>SYMBOL</u>	<u>PLOT SYMBOL</u>	<u>DEFINITION</u>
a		speed of sound; m/sec, ft/sec
C <sub>p</sub>	CP	pressure coefficient; $(p_1 - p_0)/q$
M	MACH	Mach number; $V/a$
p		pressure; N/m <sup>2</sup> , psf
q	Q(NSM) Q(PSF)	dynamic pressure; $1/2 \rho V^2$ , N/m <sup>2</sup> , psf
RN/L	RN/L	unit Reynolds number; per m, per ft
V		velocity; m/sec, ft/sec
$\alpha$	ALPHA	angle of attack, degrees
$\beta$	BETA	angle of sideslip, degrees
$\psi$	PSI	angle of yaw, degrees
$\phi$	PHI	angle of roll, degrees
$\rho$		mass density; kg/m <sup>3</sup> , slugs/ft <sup>3</sup>

## Reference & C.G. Definitions

A <sub>b</sub>		base area; m <sup>2</sup> , ft <sup>2</sup>
b	BREF	wing span or reference span; m, ft
c.g.		center of gravity
$\frac{L}{c}$ <sub>REF</sub>	LREF	reference length or wing mean aerodynamic chord; m, ft
S	SREF	wing area or reference area; m <sup>2</sup> , ft <sup>2</sup>
	MRP	moment reference point
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis

## SUBSCRIPTS

b	base
l	local
s	static conditions
t	total conditions
$\infty$	free stream



# NOMENCLATURE (Continued)

## Body-Axis System

<u>SYMBOL</u>	<u>PLOT SYMBOL</u>	<u>DEFINITION</u>
$C_N$	CN	normal-force coefficient; $\frac{\text{normal force}}{qS}$
$C_A$	CA	axial-force coefficient; $\frac{\text{axial force}}{qS}$
$C_Y$	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
$C_{A_b}$	CAB	base-force coefficient; $\frac{\text{base force}}{qS}$ $-A_b(p_b - p_\infty)/qS$
$C_{A_f}$	CAF	forebody axial force coefficient, $C_A - C_{A_b}$
$C_m$	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS l_{REF}}$
$C_n$	CYN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
$C_l$	CBL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$

## Stability-Axis System

$C_L$	CL	lift coefficient; $\frac{\text{lift}}{qS}$
$C_D$	CD	drag coefficient; $\frac{\text{drag}}{qS}$
$C_{D_b}$	CDB	base-drag coefficient; $\frac{\text{base drag}}{qS}$
$C_{D_f}$	CDF	forebody drag coefficient; $C_D - C_{D_b}$
$C_Y$	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
$C_m$	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS l_{REF}}$
$C_n$	CLN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
$C_l$	CBL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$
L/D	L/D	lift-to-drag ratio; $C_L/C_D$

NOMENCLATURE (Continued)  
Additions to Standard List

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
$A_{( )}$		model base area, subscript is base orifice number and identifies location
$C_{A_b}$	CAB	model base axial-force coefficient
$C_P_{( )}$		model static pressure coefficient, subscript is orifice number, $[P_{( )} - P_{\infty}]/q$
$C_{AU}$	CA	axial-force coefficient, unadjusted
$C_{AF}$	CAF	forebody axial-force coefficient, $C_{AU}$ adjusted for base terms
$l_{REF}$	LREF	reference length, inches
MRC		moment reference center
OMS		orbital maneuvering system
$\delta_e$	ELEVON	elevon, surface deflection angle, positive deflection trailing edge down, degrees
$\delta_f$	BDFLAP	orbiter body flap deflection angle, positive deflection angle is trailing edge down, degrees
$\delta_R$	RUDDER	rudder, surface deflection angle, positive deflection trailing edge to the left, degrees
$\delta_{SB}$	SPDBRK	speed brake deflection angle, split rudder deflection angle, left split rudder trailing edge left and right split rudder trailing edge right, $\delta_{SB} = (\delta_{RL} + \delta_{RR})/2$ , positive deflection, degrees
$l_B$	LB	length of orbiter body, in
$l_{NM}$	LNM	length of OMS nozzle, positive direction forward of exit plane, in
$l_{NP}$	LNP	length of MPS nozzle, positive direction forward of exit plane, in
$b/2$	BW	wing semi-span, in

# NOMENCLATURE (Concluded)

$b_v$	BV	vertical tail span, in
$x$	X	longitudinal distance from component nose, in
$y$	Y	lateral distance from centerline, in
$z$	Z	vertical distance measured from W.L. 500 (vertical tail reference root chord), in
$c_w$	CW	local wing chord, in
$c_v$	CV	local vertical tail chord, in
$x/\ell_B$	X/LB	longitudinal position/orbiter body length
$x/\ell_{NM}$	X/LNM	longitudinal position/ONS nozzle length
$x/\ell_{NP}$	X/LNP	longitudinal position/MFS nozzle length
$x/c_w$	X/CW	local chordwise position/local wing chord length
$x/c_v$	X/CV	local chordwise position/local vertical tail chord length
$n$	Y/BW	local spanwise position/wing semi-span
$n_v$	Z/BV	local spanwise position/vertical tail span
$x_{CP}/\ell$	XCP/L	center of pressure distance from MRC, expressed as a fraction of body length

## CONFIGURATIONS INVESTIGATED

The 0.030-scale Aero Loads Model Orbiter, 47-0, was a combination of the VL70-000140A orbiter with a VL70-000140B wing and midbody, from which the 140A/B designation was derived. The orbiter was complete except for deletion of the Main Propulsion System nozzles to provide for an aft sting mount. The orbiter configuration,  $O_1$ , consisted of the following components:

$B_{26} C_9 F_8 M_7 N_{28} V_8 R_5 W_{116} E_{26}$	
$B_{26}$	Double delta wing fuselage, 140A/B
$C_9$	Canopy, 140A
$F_8$	Bodyflap, 140A
$M_7$	OMS pods, 140A
$N_{28}$	OMS nozzles, 140A
$V_8$	Vertical tail 140A
$R_5$	Rudder, 140A
$W_{116}$	Double delta wing, 140B
$E_{26}$	Elevons, 140B

The orbiter was tested as described above with the following parameters variations: rudder deflections of  $0^\circ$ ,  $-10^\circ$ , and  $+10^\circ$ , elevon deflections of  $0^\circ$  and  $-20^\circ$ , and speed brake deflections of  $0^\circ$ ,  $55^\circ$  and  $85^\circ$ .

The general arrangement of the model is shown in figure 2a.

## INSTRUMENTATION DESCRIPTION

The left side of the orbiter was extensively instrumented with pressure orifices for measurement of surface static pressure distributions. The orbiter contained 388 operational orifices, of which 5 were base and balance cavity taps. Tables and sketches defining orifice locations are included in this report. All model pressures were measured by twelve model mounted Scanivalve, Inc., S-type scanivalve modules.

Force instrumentation consisted of a six-component internal force balance mounted in the orbiter sting cavity.

## TEST FACILITY DESCRIPTION

The tests were conducted in the Ames 9- by 7-Foot Supersonic Wind Tunnel. This tunnel is a variable density, continuous flow type with an adjustable nozzle to permit supersonic testing over a Mach number range continuously variable from 1.5 to 2.5. The nozzle is of the asymmetric, sliding-block type in which the variation of the test section Mach number is achieved by translating, in the streamwise direction, the fixed-contour block that forms the floor of the nozzle.

## DATA REDUCTION

Data were reduced to coefficient form about body axes using the following reference constants:

SREF	=	2.421 ft <sup>2</sup>	Orbiter reference area
LREF	=	38.709 in	Orbiter reference length
XMRP	=	Fus. Sta. 25.542	Longitudinal moment reference point
YMRP	=	B.P. 0.0	Lateral moment reference point
ZMRP	=	W.L. 0.0	Vertical moment reference point
A <sub>1</sub>	=	0.07670 ft <sup>2</sup>	Orbiter sting cavity area
A <sub>2</sub>	=	0.21340 ft <sup>2</sup>	Orbiter heat shield base area
A <sub>3</sub>	=	0.08560 ft <sup>2</sup>	Orbiter OMS base (2) area
A <sub>4</sub>	=	(see table below)	Orbiter speed brake base area

$\delta_{SB}$	=	0 deg.	A <sub>4</sub>	=	0 ft <sup>2</sup>
		14.92			0.02327
		24.92			0.03866
		34.92			0.05370
		54.92			0.08252
		84.92			0.12083

The fourth character in each dataset identifier (i.e., RB4BXX, B for fuselage) represents the individual component. The following list indicates the symbol for each component.

Symbol	Component
B	Orbiter fuselage
C	Orbiter base
E	OMS nozzle

DATA REDUCTION (Concluded)

Symbol	Component
F	Body flap
M	OMS pod outside
L	Lower wing surface
U	Upper wing surface
R	Right vertical tail surface
V	Left vertical tail surface



## REFERENCES

1. Orbiter - Lines and Configuration Control Drawings
2. VL70-000140A, Orbiter Configuration Control Drawing MCR 0200 Baseline
3. VL70-000143A, Lines Control, Vehicle 4 Forward Body - Cabin - Canopy MCR 0200 Baseline
4. VL70-000200, Lines Control, Midbody - Wing - Boot Fairing MCR 200 R3 dated 7-2-73
5. VL70-000145, Lines Control - Aft Body - OMS/RCS Pods, MCR 0200 - R1 Baseline
6. VL70-000146A, Lines Control (Vehicle 4) Vertical Tail MCR 0200 Baseline
7. Aero Loads Model 47-OTS - Model Fabrication, Assembly and Installation Drawings
8. SS-A00119, Orbiter Assy - .030 Scale Pressure/Loads Model (140A/B Lines)
9. SS-A00123, Assy & Details - Forebody - .030 Scale Pressure/Loads Model (140A/B)
10. SS-A00124, Assy & Details - Aft Fuselage - .030 Scale Pressure/Loads Model (140A Lines)
11. SS-A00125, Assy & Details - Wing Splice Plate & Cuff - .030 Scale Pressure/Loads Model (140A Lines)
12. SS-A00126, Assy & Details - Vertical Stabilizer - .030 Scale Pressure/Loads Model (140A Lines)
13. SS-A00127, Ames 11-ft x 11-ft Wind Tunnel Installation - .030 Scale Pressure/Loads Model (140/B Lines)
14. SS-A00128, Ames 9-ft x 7-ft Wind Tunnel Installation - .030 Scale Pressure/Loads Model (140/B Lines)
15. SS-A00130, Lines Control - Profile VL70-000140A - .030 Scale Pressure/Loads Model (140A/B Lines)
16. W-1104S, Sting - Ames MK II 4" Balance (Male End), Ames MK XX 2.5" Balance

17. W-1107A, 13.5° Bent Sting Adapter Ames MK II 4" Balance (Male & Female)
18. (DMS-DR-2084) "Airloads Investigation of an 0.030-Scale Model of the Space Shuttle Vehicle 140A/B Launch Configuration (Model 47-OTS) in the ARC 11-foot Unitary Plan Wind Tunnel for Mach Range 0.6 to 1.4 (IA14A)"
19. (DMS-DR-2129) "Airloads Investigation of an 0.030-Scale Model of the Space Shuttle Vehicle 140A/B Launch Configuration (Model 47-OTS) in the ARC 9- by 7-foot Unitary Plan Wind Tunnel for Mach 1.55 and 2.2 (IA14B)"
20. (DMS-DR-2130) "Airloads Investigation of an 0.030-Scale Model of the Space Shuttle Vehicle 140A/B Orbiter Configuration (Model 47-0) in the ARC 11-foot Unitary Plan Wind Tunnel for Mach 0.6 and 0.9 (OA22A)"

1999

19

TABLE II.

[illegible]

TABLE II. (Concluded)

[illegible]

TABLE III. - MODEL DIMENSIONAL DATA

MODEL COMPONENT: BODY - B<sub>26</sub>

GENERAL DESCRIPTION: Orbiter Fuselage Configuration 140 A/B

NOTE: B<sub>26</sub> identical to B<sub>24</sub> except underside of fuselage refaired to accept W<sub>116</sub>.

Model Scale = .030

DRAWING NUMBER: VL70-000193  
VL70-000140A

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length (Body Fwd Sta $X_0 = 238$ ) - in.	<u>1293.3</u>	<u>38.799</u>
Max. Width (at $X_0 = 1520$ ) - in.	<u>262.0</u>	<u>7.860</u>
Max. Depth (at $X_0 = 1464$ ) - in.	<u>250.0</u>	<u>7.500</u>
Fineness Ratio	<u>0.26357</u>	<u>0.26357</u>
Area - ft <sup>2</sup>		
Max. Cross-Sectional	<u>340.88462</u>	<u>0.30679</u>
Planform	<u>                    </u>	<u>                    </u>
Wetted	<u>                    </u>	<u>                    </u>
Base	<u>                    </u>	<u>                    </u>

TABLE III. - Continued.

MODEL COMPONENT: CANOPY - C<sub>9</sub>

GENERAL DESCRIPTION: Configuration 3A

Model Scale = .030

DRAWING NUMBER

VL70-000140A

VL70-000143A

DIMENSION:

FULL SCALE

MODEL SCALE

Length ( $X_0=434.643$  to  $670$ )

235.357

7.06071

Max Width ( $X_0=513.127$ )

152.412

4.57236

Max Depth ( $X_0=485.0$ )

25.000

0.75000

Fineness Ratio

Area

Max Cross-Sectional

Planform

Wetted

Base

TABLE III. - Continued.

MODEL COMPONENT: ELEVON - E26

GENERAL DESCRIPTION: Configuration 4

NOTE: VL70-000400 data for (1) of (2) sides. Identical to E25 except  
airfoil thickness

Model Scale = .030

DRAWING NUMBER:

VL70-000 200  
VL70-000140 B

DIMENSIONS:

FULL-SCALE

MODEL SCALE

Area

223.5814

0.20122

Span (equivalent)

368.34

11.05020

Inb'd equivalent chord

119.623

3.58869

Outb'd equivalent chord

55.1922

1.65577

Ratio movable surface chord/  
total surface chord

At Inb'd equiv. chord

0.2096

0.2096

At Outb'd equiv. chord

0.4004

0.4004

Sweep Back Angles, degrees

Leading Edge

0.00

0.00

Tailing Edge

-10.056

-10.056

Hingeline

0.00

0.00

Area Moment (Normal to hinge line)

851.1502

0.76604



TABLE III. - Continued.

MODEL COMPONENT: BODY FLAP - F<sub>8</sub>

GENERAL DESCRIPTION: Configuration 4

Model Scale - .030  
DRAWING NUMBER

VL70-000140B, VL70-000200

<u>DIMENSION:</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length in.	<u>84.7</u>	<u>2.541</u>
Max Width in.	<u>262.308</u>	<u>7.86924</u>
Max Depth in.	<u>23.000</u>	<u>0.69000</u>
Fineness Ratio	<u></u>	<u></u>
Area - ft <sup>2</sup>	<u></u>	<u></u>
Max Cross-Sectional	<u></u>	<u></u>
Planform	<u>158.85350</u>	<u>0.14297</u>
Wetted	<u></u>	<u></u>
Base	<u>41.89642</u>	<u>0.03771</u>

TABLE III. - Continued.

MODEL COMPONENT: OMS POD - M7

GENERAL DESCRIPTION: Configuration 3A

Model Scale = .030

DRAWING NUMBER

VL70-000140A  
VL70-000145

DIMENSION:

FULL SCALE

MODEL SCALE

Length (OMS Fwd Sta  $X_0=1233.0$ ) - IN.

327.000

9.810

Max Width (@  $X_0=1450.0$ ) - IN.

94.5

2.8350

Max Depth (@  $X_0=1493.0$ ) - IN.

109.000

3.270

Fineness Ratio

Area

Max Cross-Sectional

Planform

Wetted

Base

TABLE III. - Continued.

MODEL COMPONENT: NOZZLES - N28

GENERAL DESCRIPTION: Configuration 3A OMS Nozzle

Model Scale = .030

DRAWING NO. VL70-000140A

DIMENSIONS	FULL-SCALE	MODEL SCALE
MACH NO. _____		
DIAMETER DEX ~ IN (One nozzle)	_____	_____
DIAMETER DT ~ IN	_____	_____
DIAMETER DIN ~ IN	_____	_____
ON ~ DEGREES	_____	_____
AREA - Ft <sup>2</sup> (one nozzle)		
MAX CROSS-SECTIONAL	_____	_____
GIMBAL ORIGIN	<u>X<sub>0</sub></u>	<u>Y<sub>0</sub></u> <u>Z<sub>0</sub></u>
LEFT NOZZLE ~ IN.	<u>1518.0</u>	<u>-88.0</u> <u>492.0</u>
RIGHT NOZZLE ~ IN.	<u>1518.0</u>	<u>+88.0</u> <u>492.0</u>
NULL POSITION	<u>PITCH</u>	<u>YAW</u>
LEFT NOZZLE (Null Pitch 15°49'; Yaw 12°17' OUTB'D)	<u>+8°</u>	<u>13°17' OUTB'D</u> <u>2°30' INB'D</u>
RIGHT NOZZLE (Null Pitch 15°49'; Yaw 12°17' OUTB'D)	<u>+8°</u>	<u>13°17' OUTB'D</u> <u>2°17' INB'D</u>

TABLE III. - Continued.

MODEL COMPONENT: RUDDER - R5

GENERAL DESCRIPTION: 2A, 3 and 3A Configuration per Rockwell Lines

VL70-000095

Model Scale = .030

DRAWING NUMBER: VL70-000095

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area - FT <sup>2</sup>	<u>106.38</u>	<u>0.09574</u>
Span (equivalent) - IN.	<u>201.0</u>	<u>6.0300</u>
Inb'd equivalent chord	<u>91.585</u>	<u>2.74755</u>
Outb'd equivalent chord	<u>50.833</u>	<u>1.52499</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
At Outb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
Sweep Back Angles, degrees		
Leading Edge	<u>34.83</u>	<u>34.83</u>
Tailing Edge	<u>26.25</u>	<u>26.25</u>
Hingeline	<u>34.83</u>	<u>34.83</u>
Area Moment (Normal to hinge line)- FT <sup>3</sup>	<u>526.13</u>	<u>0.01420</u>
Product of Area and Mean Chord		

TABLE III. - Continued.

MODEL COMPONENT: VERTICAL - V<sub>8</sub>GENERAL DESCRIPTION: Configuration 3A

NOTE: Similar to V5 with radius on TE upper corner and LE lower corner  
 where vertical meets fuselage.

Model Scale = .030

DRAWING NUMBER:

VL70-00014CAVL70-000146ADIMENSIONS:FULL-SCALEMODEL SCALETOTAL DATA

Area (Theo) $Ft^2$	<u>413.253</u>	<u>0.37193</u>
Planform		
Span (Theo) In	<u>315.720</u>	<u>9.47160</u>
Aspect Ratio	<u>1.675</u>	<u>1.675</u>
Rate of Taper	<u>0.507</u>	<u>0.507</u>
Taper Ratio	<u>0.40399</u>	<u>0.40399</u>
Sweep Back Angles, degrees		
Leading Edge	<u>45.00</u>	<u>45.00</u>
Trailing Edge	<u>25.947</u>	<u>25.947</u>
0.25 Element Line	<u>41.130</u>	<u>41.1300</u>
Chords:		
Root (Theo) WP	<u>268.500</u>	<u>8.05500</u>
Tip (Theo) WP	<u>108.470</u>	<u>3.25410</u>
MAC	<u>199.80756</u>	<u>5.99423</u>
Fus. Sta. of .25 MAC	<u>1463.50</u>	<u>43.9050</u>
W. P. of .25 MAC	<u>635.522</u>	<u>19.06566</u>
B. L. of .25 MAC	<u>0.00</u>	<u>0.00</u>
Airfoil Section		
Leading Wedge Angle Deg	<u>10.00</u>	<u>10.00</u>
Trailing Wedge Angle Deg	<u>14.920</u>	<u>14.920</u>
Leading Edge Radius (Min) - IN.	<u>2.00</u>	<u>0.060</u>
Void Area	<u>13.17</u>	<u>0.01185</u>
Blanketed Area	<u>0.00</u>	<u>0.00</u>

TABLE III. - Concluded.

MODEL COMPONENT:	WING - W116	
GENERAL DESCRIPTION:	Configuration 4	
NOTE:	Identical to W114 except airfoil thickness. Dihedral angle is along trailing edge of wing.	
Model Scale =	.030	
TEST NO.	DWG. NO.	VL70-0001393 VL70-000200
DIMENSIONS:	FULL-SCALE	MODEL SCALE
<b>TOTAL DATA</b>		
Area (Theo.) Ft <sup>2</sup>	2690.00	2.4210
Planform	936.6816	28.10045
Span (Theo) In.	2.265	2.265
Aspect Ratio	1.177	1.177
Rate of Taper	0.200	0.200
Taper Ratio	3.500	3.500
Dihedral Angle, degrees (at X <sub>0</sub> =1506.623, Y <sub>0</sub> =	0.500	0.500
Incidence Angle, degrees 105, Z <sub>0</sub> = 282.75)	+3.000	+3.000
Aerodynamic Twist, degrees	45.00	45.00
Sweep Back Angles, degrees	-10.056	-10.056
Leading Edge	35.209	35.209
Trailing Edge		
0.25 Element Line		
<b>Chords:</b>		
Root (Theo) B.P.O.O.	689.2429	20.67729
Tip, (Theo) B.P.	137.8486	4.13546
MAC	474.8117	14.24435
Fus. Sta. of .25 MAC	1126.721	33.80163
W.P. of .25 MAC	291.00	8.73000
B.L. of .25 MAC	187.33491	5.62005
<b>EXPOSED DATA</b>		
Area (line) Ft <sup>2</sup>	1812.2205	1.63010
Span, (Theo) In. BP108	736.6816	22.10045
Aspect Ratio	2.058	2.058
Taper Ratio	0.2451	0.2451
<b>Chords</b>		
Root BP108	570.6230	17.11869
Tip 1.00 b	137.8512	4.13554
MAC	354.2376	10.62713
Fus. Sta. of .25 MAC	1164.237	34.92711
W.P. of .25 MAC	292.00	8.76000
B.L. of .25 MAC	239.67786	7.19034
<b>Airfoil Section (Rockwell Mod NASA)</b>		
XXXX-64	0.113	0.113
Root b = 0.425		
Tip b = 1.00	0.12	0.12
<b>Data for (1) of (2) Sides</b>		
Leading Edge Cuff	118.333	0.10650
Planform Area Ft <sup>2</sup>	505.0	15.15000
Leading Edge Intersects Fus M. L. @ Sta	1003.5	30.10500
Leading Edge Intersects Wing @ Sta		

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TABLE IV. - ORBITER FUSELAGE PRESSURE ORIFICE LOCATIONS

ORBITER X <sub>O</sub> IN.			RADIAL LOCATION Ø DEGREES																		
FULL	MODEL	X <sub>O</sub> /l <sub>O</sub>	0	20	40	55	70	90	105	110	120	135	140	150	151	156	162	165	169	174	180
235	7.05	0	6					8													9
245	7.35	.008	7					15			16			17							18
265	7.95	.023	10	11	12	13	14	24			25			26							27
295	8.85	.047	19	20	21	22	23	33			34			35							36
325	9.75	.070	28	29	30	31	32	42			43			44							45
380	11.40	.112	37	38	39	40	41													46	
440	13.20	.159						52			53					54			55		56
450	13.50	.167	47	48	49	50	51						66	67	57		58	68			69
465	13.95	.178			61	62	63	64			65			75				76			77
500	15.00	.205	59	60	71		72	73			74			83				84			85
560	16.80	.252	70		79		80	81			82			91				92			93
625	18.75	.301	78		87		88	89			90			99				100			101
725	21.75	.379	86		95		96	97			98										
880	26.40	.499	94																		
980	29.40	.576	102		103																
1080	32.40	.653	104		105		106	107			108			109				110			111
1180	35.40	.730	112		113		114	115			116			117							118
1245	37.35	.781	119		120		121	122	123		124	125		126				127			128
1300	39.00	.823	129		130		131	132	133		134	135		136							137
1375	41.25	.882	138		139		140	141	142		143	144		145				146			
1450	42.90	.923	147		148		149	150	151		152	153		154				155			
1480	44.40	.963	156		157		158	159	160		161	162		163				164			
a 1530	45.90	1.002								165	166										
b 1530	45.90	1.002								167	168										
1555	46.65	1.021	169		170																
c 1590	47.70	1.048	171		172																
d 1590	47.70	1.048	173		174																

l<sub>O</sub> = 1293.3 full scale      a: OMS pod, inside      c: Body flap lower surface  
l<sub>O</sub> = 38.799 model      b: OMS pod, outside      d: Body flap upper surface

data in datasets RB48XX

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1000  
1100  
1200  
1300  
1400



TABLE VI. - ORBITER VERTICAL TAIL PRESSURE ORIFICE LOCATIONS

VERTICAL $W_L \sim Z_O$			$x/C_V$									
FULL	MODEL	$\eta_V$		0	.025	.05	.15	.30	.52	.685	.775	.90
550	16.50	.158	RH LE LH	316		324	325	326	327	328	329	
					317	318	319	320	321	322	323	
600	18.00	.316	RH LE LH	330		339	340	341	342	343	344	345
					331	332	333	334	335	336	337	338
690	20.70	.600	RH LE LH	346		355	356	357	358	359	360	361
					347	348	349	350	351	352	353	354
765	22.95	.840	RH LE LH	362		371	372	373	374	375	376	377
					363	364	365	366	367	368	369	370
792	23.76	.925	RH LE LH	378		387	388	389	390	391	392	393
					379	380	381	382	383	384	385	386

data in data sets RB4VXX (left side) and RB4RXX (right side)

TABLE VII. - ORBITER BASE, BODY FLAP AND OMS NOZZLE  
PRESSURE ORIFICE LOCATIONS

ORBITER BASE

LOCATION	ORIFICE NUMBER
Orbiter Sting Cavity	1
Orbiter Base (Lower Left Corner)	2
OMS Nozzle Base	3

data in datasets RB4CXX

RUDDER FLARE BASE

RUDDER $W_L \sim Z_O$		$X/C_V$
FULL	MODEL	.75
725	18.75	4
625	21.75	5

data in datasets RB4CXX

BODY FLAP

ORBITER $\sim X_O$		$\phi \sim \text{Deg}$	
FULL	MODEL	0	40
1555	46.65	169	170
1590	47.70	173	174
1590	47.70	171	172

data in datasets RB4FXX

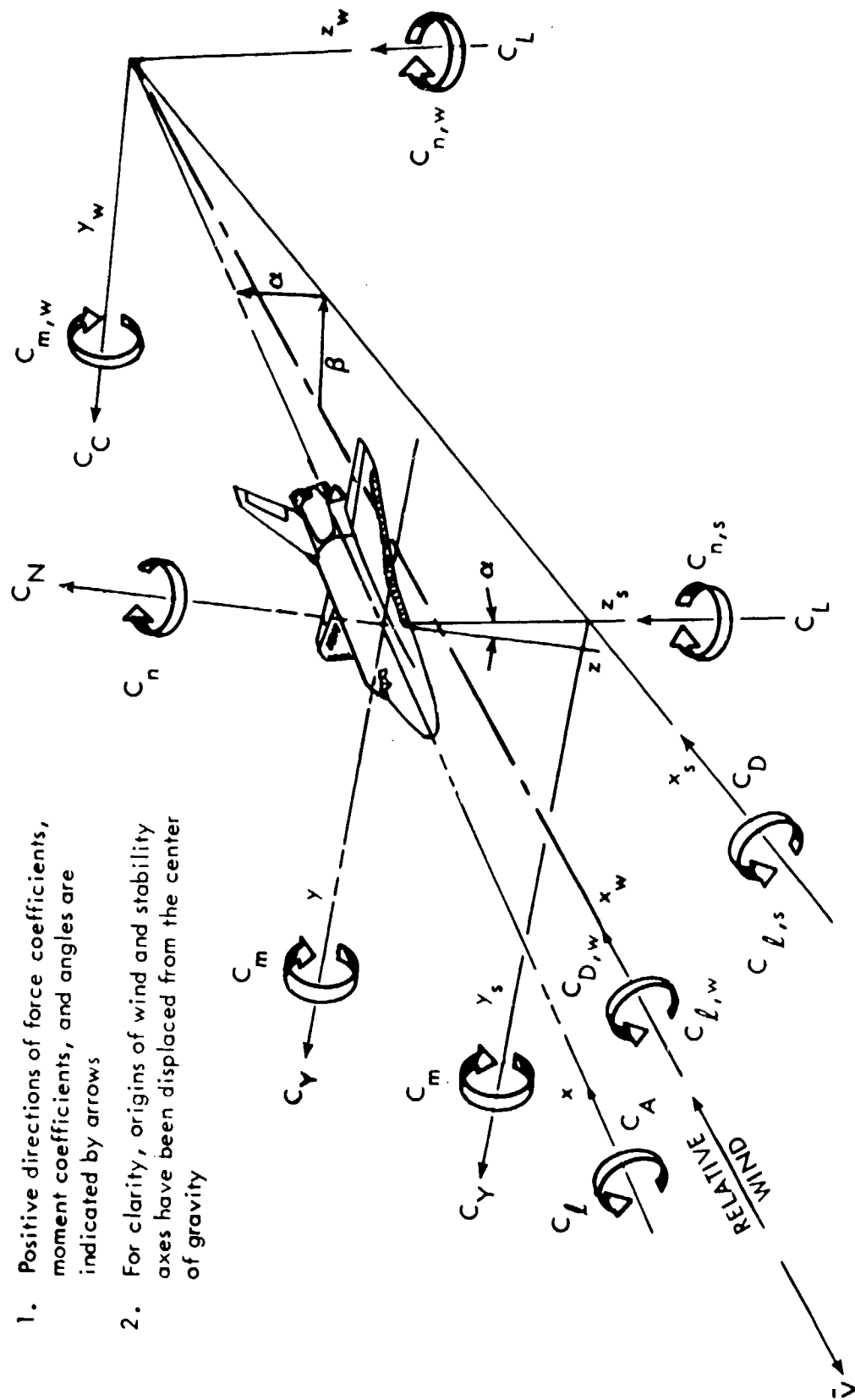
LEFT OMS NOZZLE SURFACE

$X \sim \text{IN. FWD.}$ NOZZLE EXIT		$\phi \sim \text{DEG.}$		
FULL	MODEL	135	180	225
10	.30	175	176	177
20	.60		178	

data in datasets RB4EXX

# Notes:

1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity

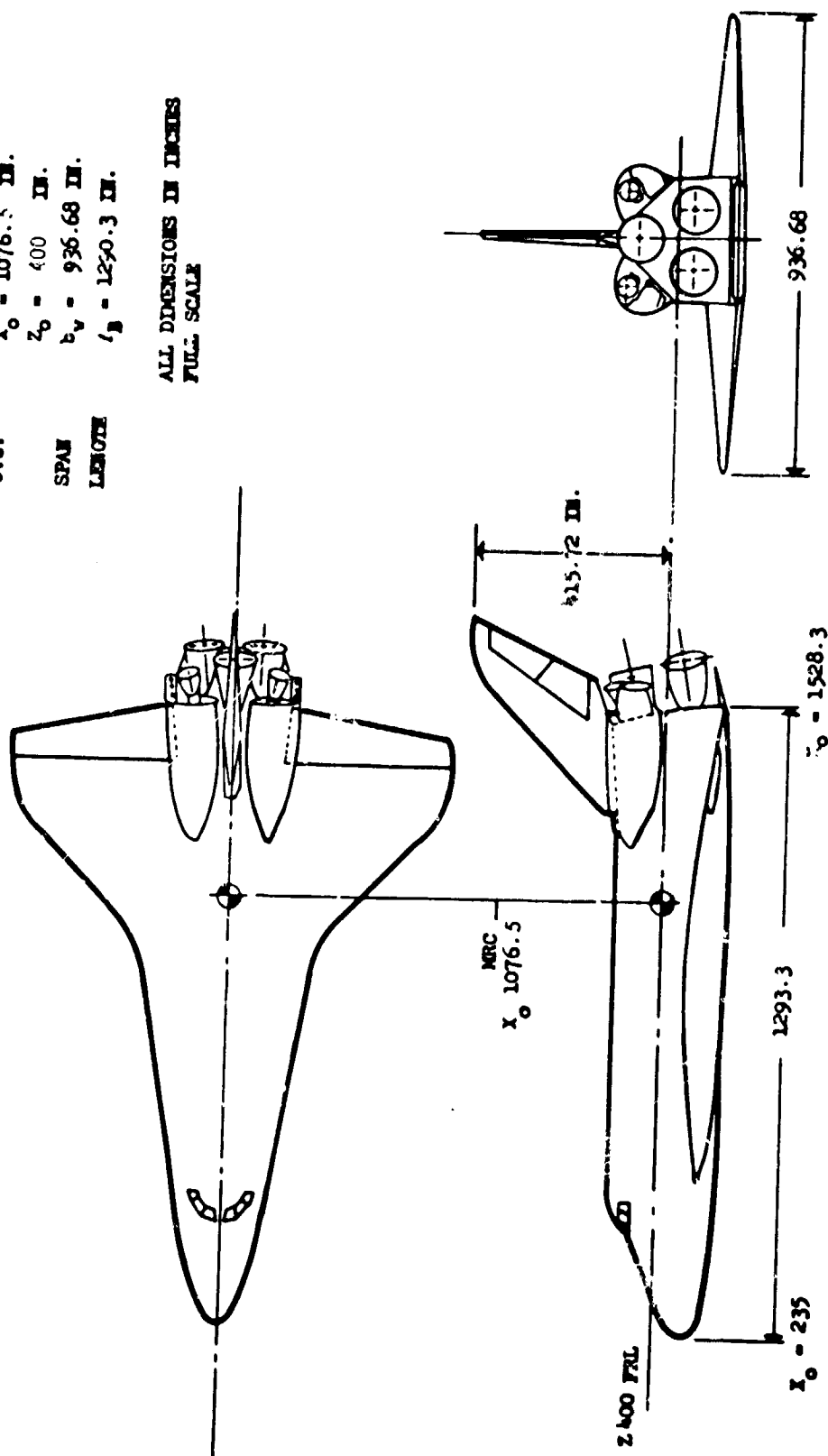


a. Stability and body axis systems  
Figure 1. - Axis systems.



REFERENCE	DIMENSIONS (FS)
AREA	$S_v = 2690 \text{ FT}^2$
MAC	$C = 474.8 \text{ IN.}$
C.G.	$X_o = 1076.5 \text{ IN.}$
	$Z_o = 400 \text{ IN.}$
SPAN	$b_v = 936.68 \text{ IN.}$
LENGTH	$l_B = 1250.3 \text{ IN.}$

ALL DIMENSIONS IN INCHES  
FULL SCALE



a. SSV Orbiter Configuration 140A/B

Figure 2. - Model sketches

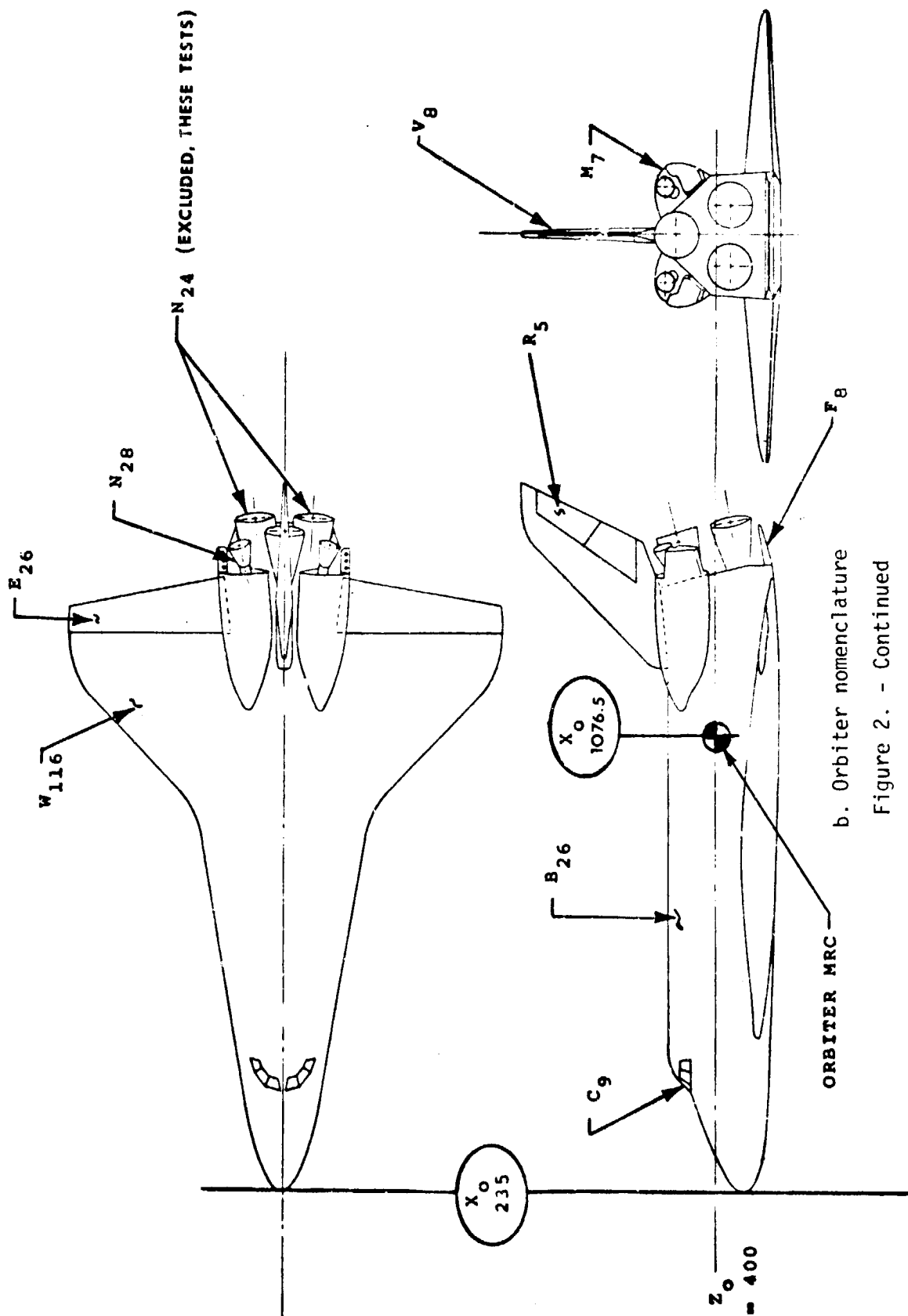
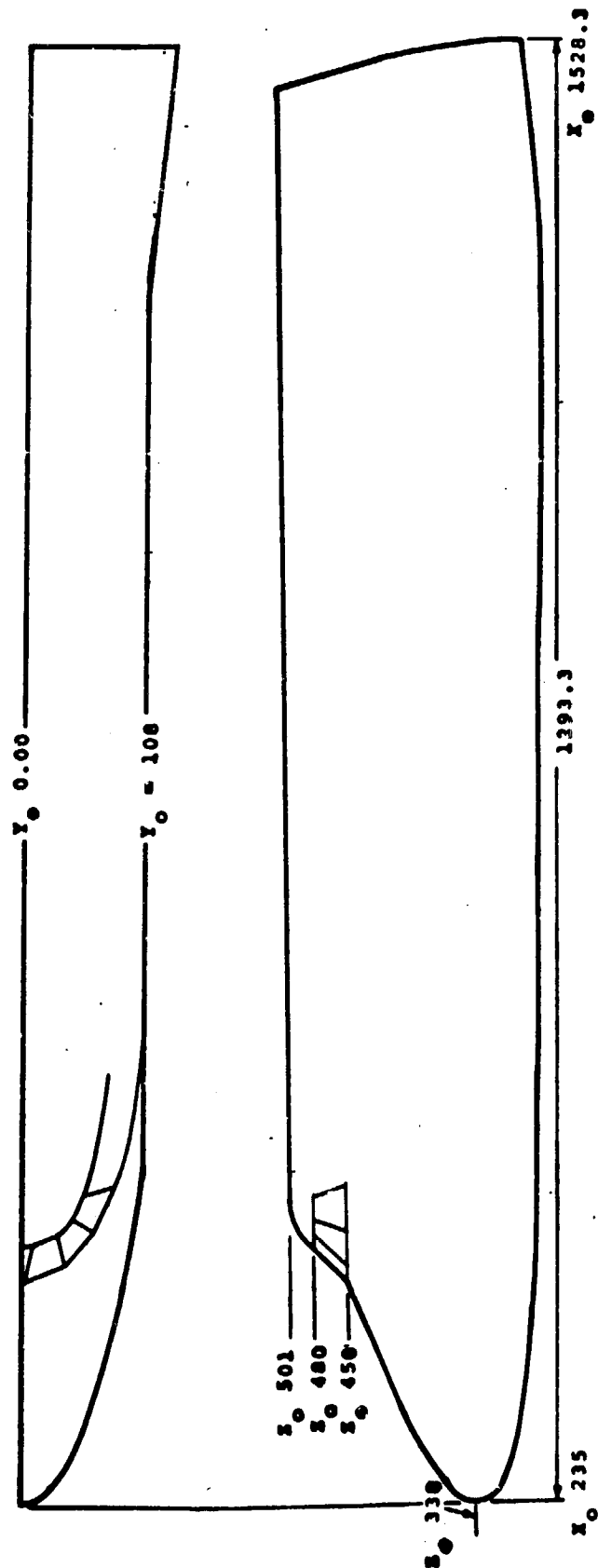
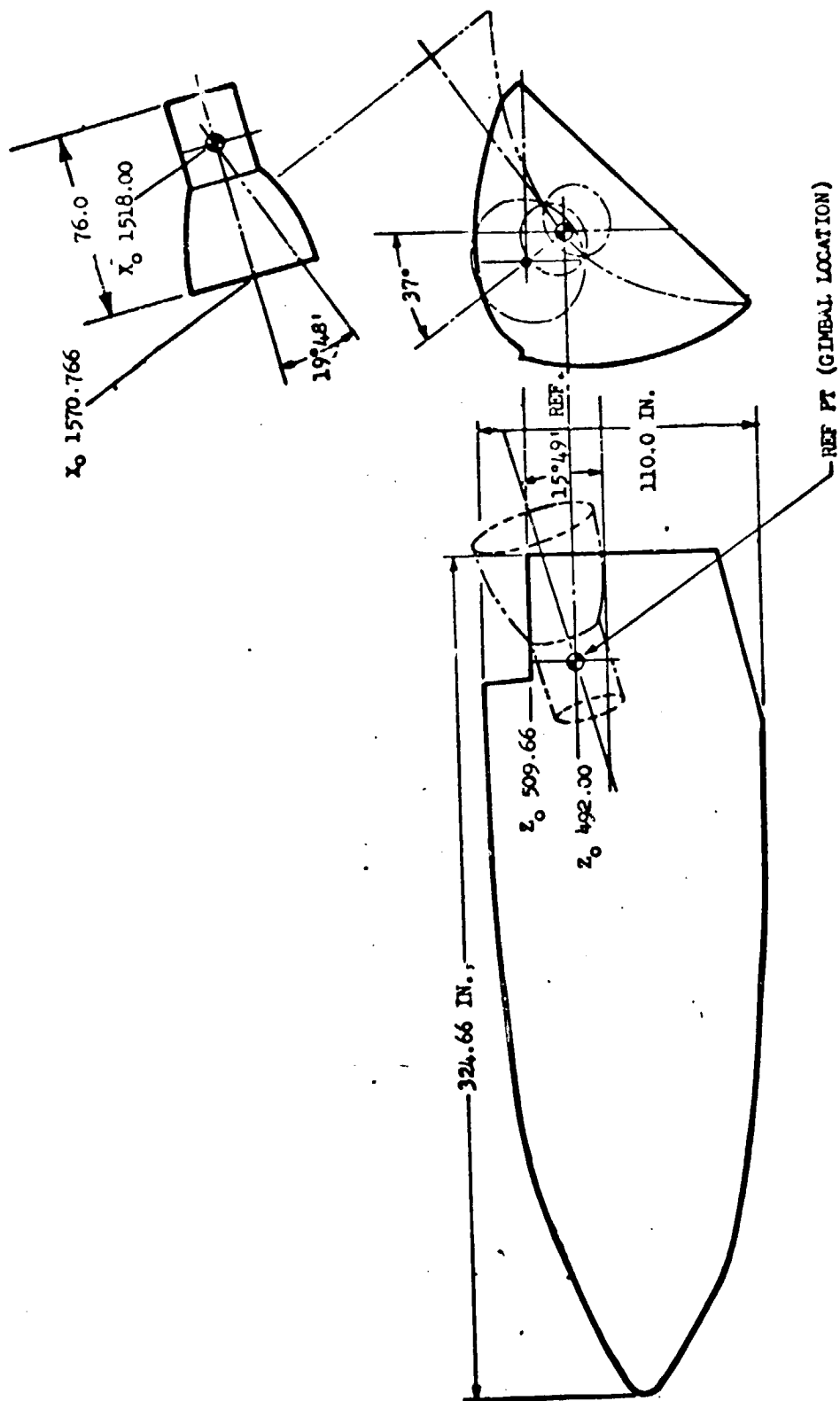


Figure 2. - Continued



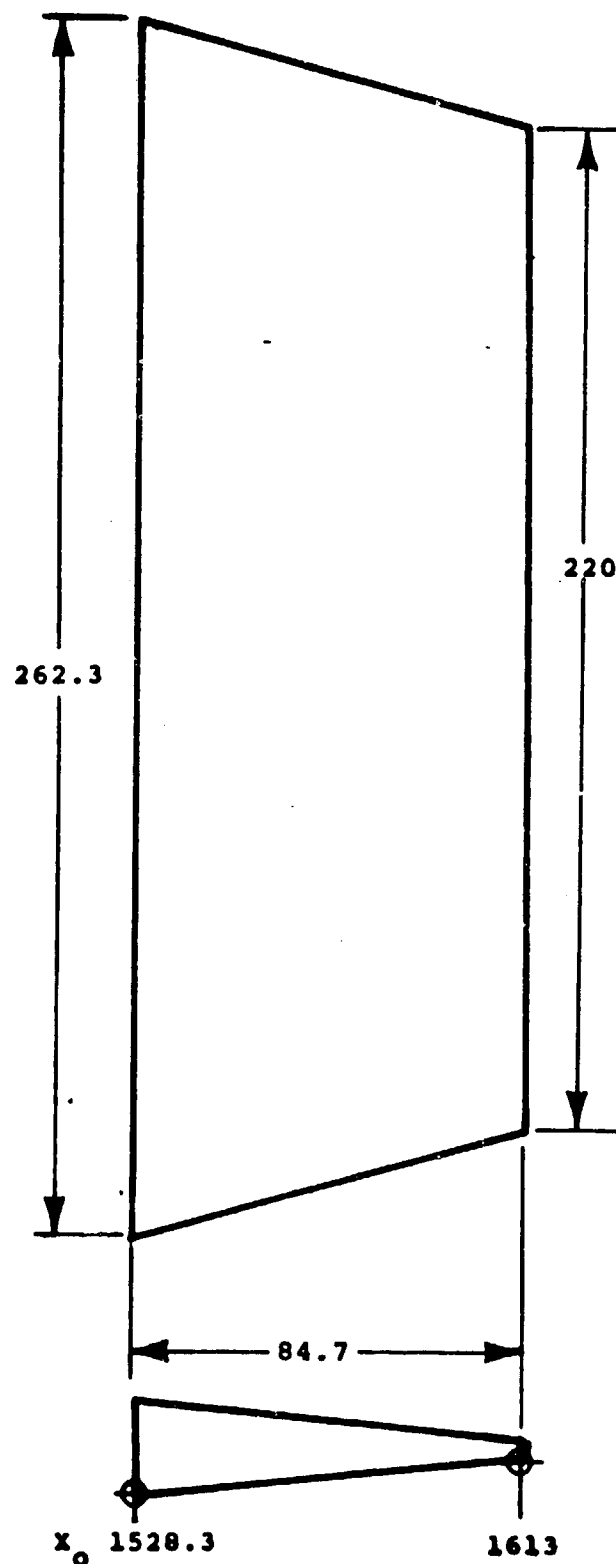
c. Canopy,  $C_9$ , and body,  $B_{26}$ , lines drawing VL70-000193 and VL70-000140A/B

Figure 2. - Continued



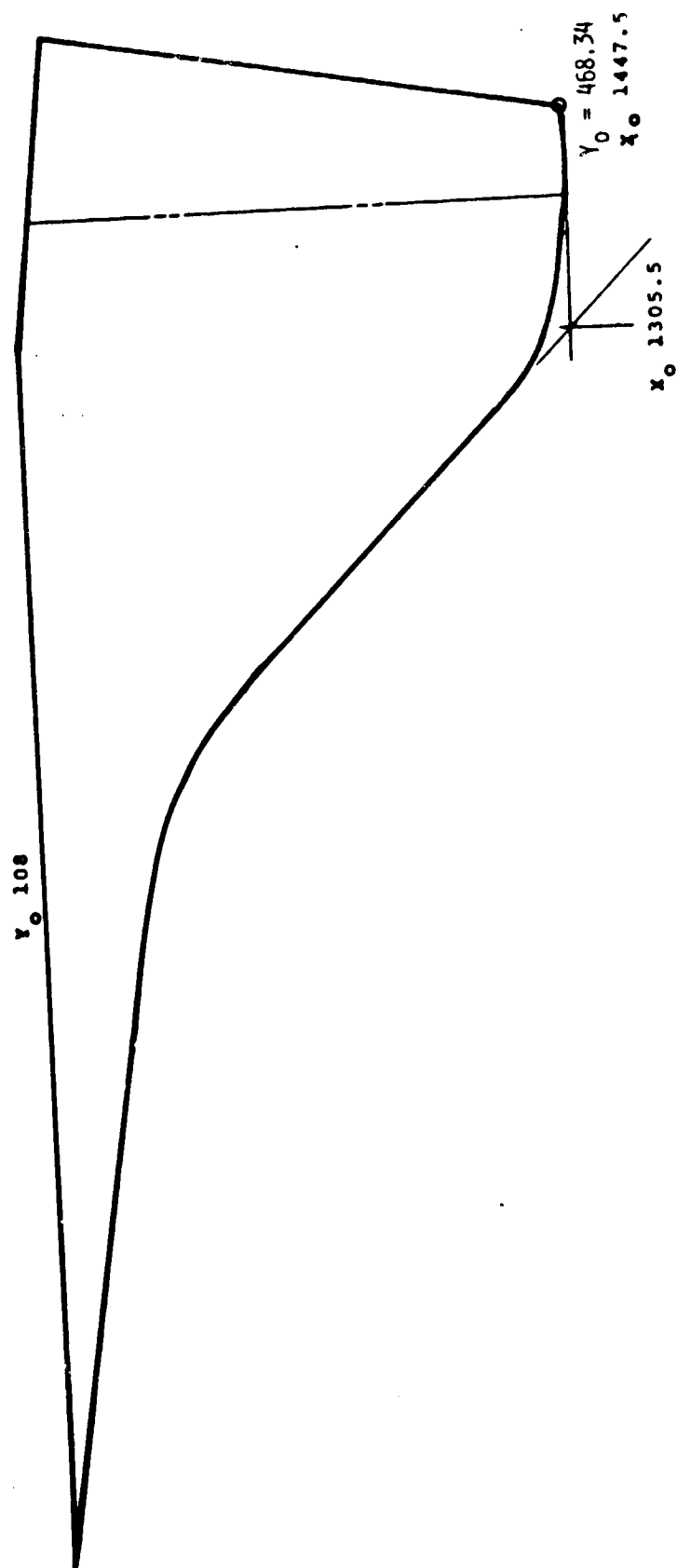
d. M<sub>7</sub> - OMS Pod  
Figure 2. - Continued





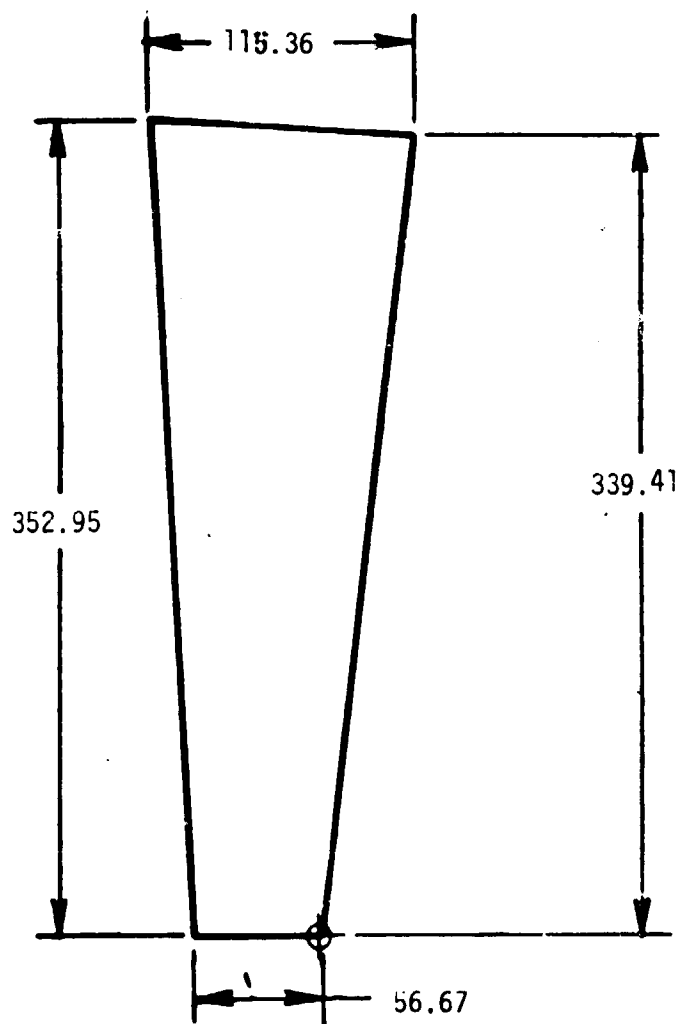
e. Body flap,  $F_g$ , lines drawing VL70-000140A/B

Figure 2. - Continued

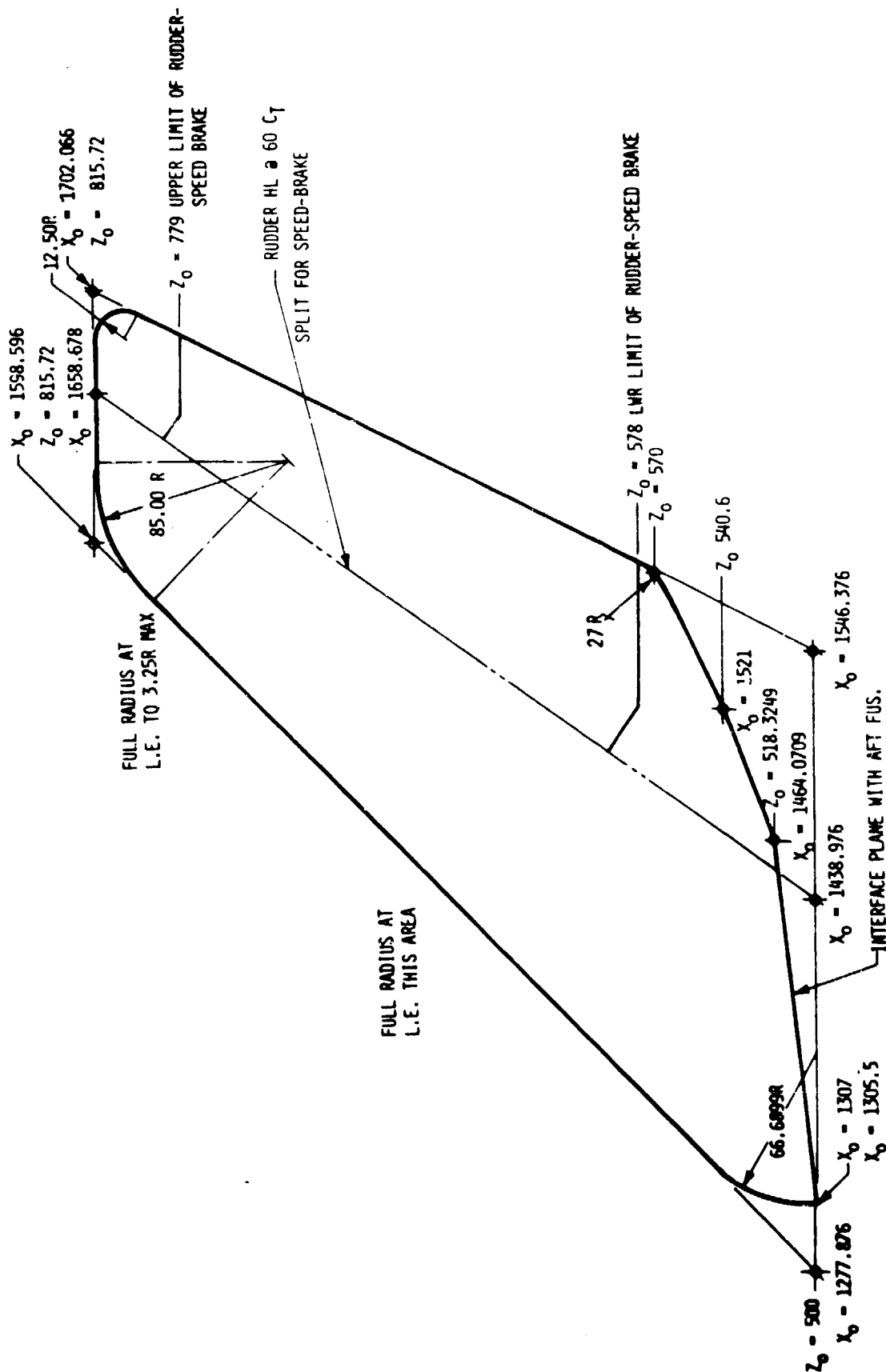


f. Wing, W<sub>116</sub>, lines drawing no. VL70-000200

Figure 2. - Continued

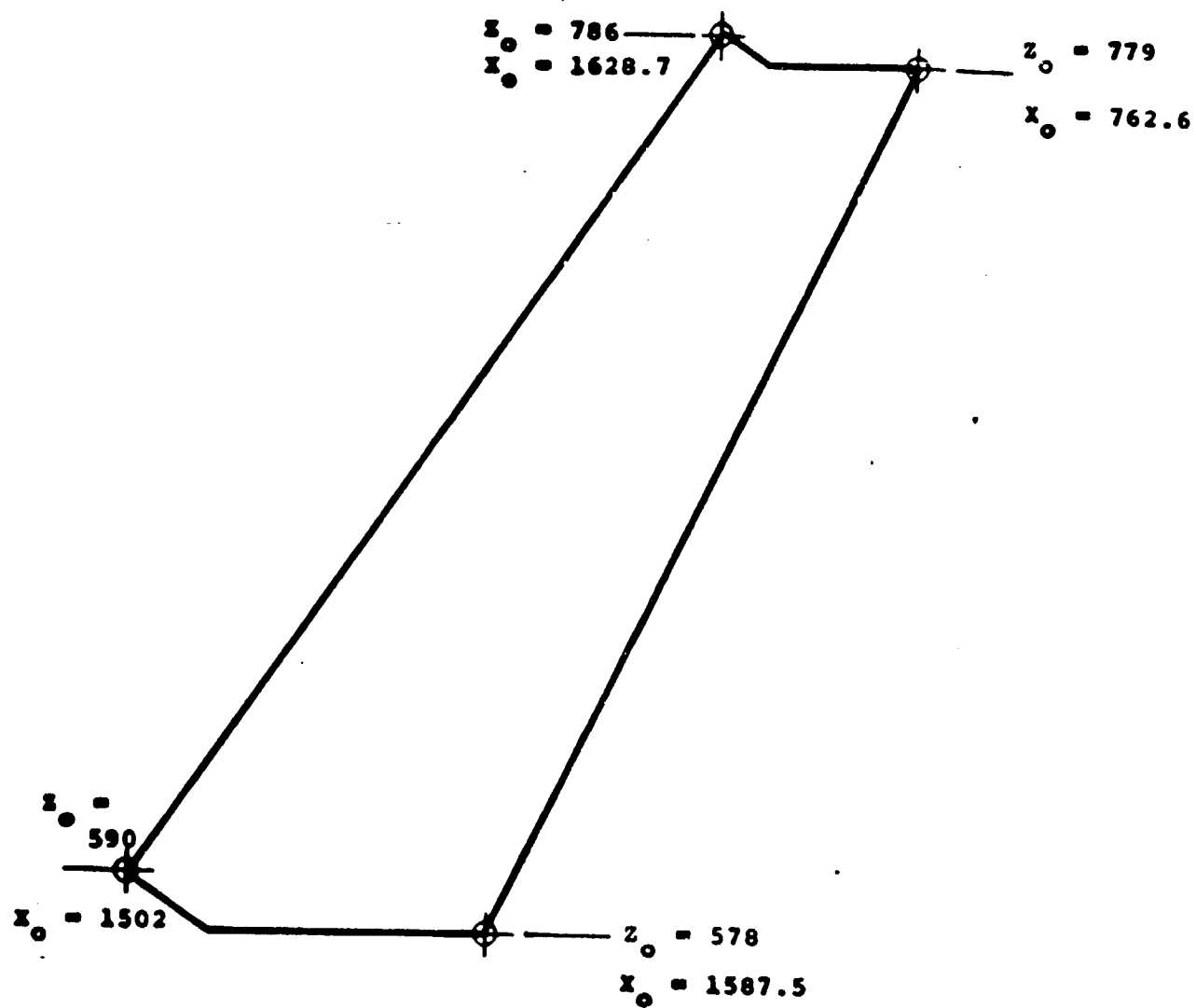


g. Elevon, E<sub>26</sub>, lines drawing VL70-000200, VL70-000140A/B  
Figure 2. - Continued



h. Vertical tail,  $V_8$ , and Rudder,  $R_5$ , lines drawing VL70-000146A

Figure 2. - Continued



i. Rudder, R<sub>5</sub>, lines drawing no. VL70-000095  
Figure 2. - Concluded



Figure 3. - Model installation photograph

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DATA FIGURES  
(FORCE)

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AMES 87-716 04223 326 09 F8 V7 N28 V8 R5 W116 E26 (134005)

SYMBOL	MACH	ALPHA	PARAMETRIC VALUES	REFERENCE INFORMATION
○	1.550	27.000	ELEVATION .000	SREF 2.4210
	2.700	27.000	SPOTCH .000	REF 38.7090
				REF 38.7090
				WAVE 25.5420
				WAVE .0000
				TURB .0000
				SCALE .0300

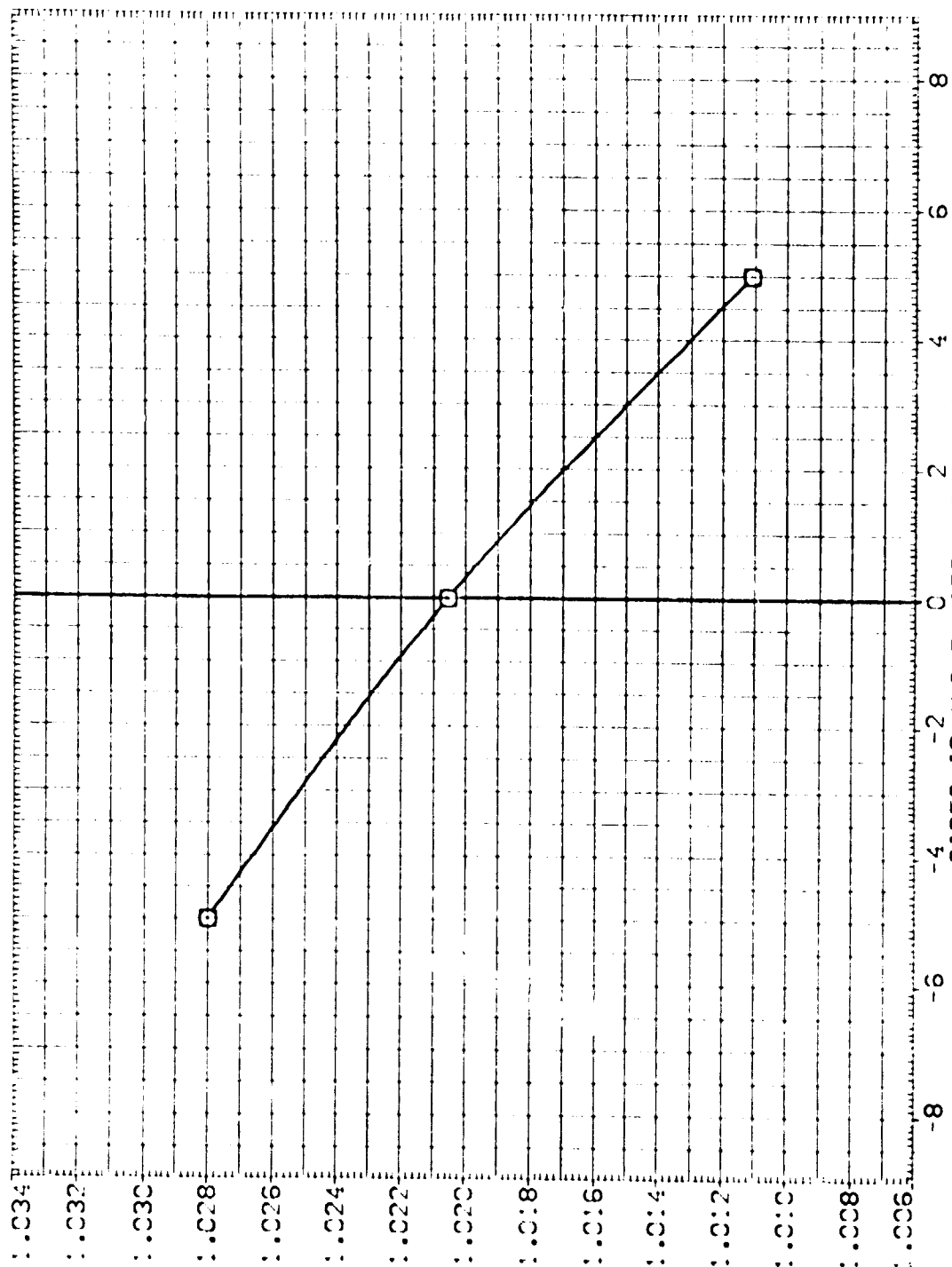


FIG. 4 B26 C3 F8 V7 N28 V8 R5 W116 E26 . ALPHA = 27



AVES 97-716 CA22B 526 C9 F8 W7 N28 V8R5 W116 E26(184005)

SYMBOL

MACH  
1.550  
2.700

ALPHA  
RUDDER

PARAMETRIC VALUES  
27.000 ELEVON  
.000 SPOILER

.000  
.000

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
LREF 38.7090  
BREF 38.7090  
XREF 25.5120  
YREF .0000  
ZREF .0000  
SCALE .0300

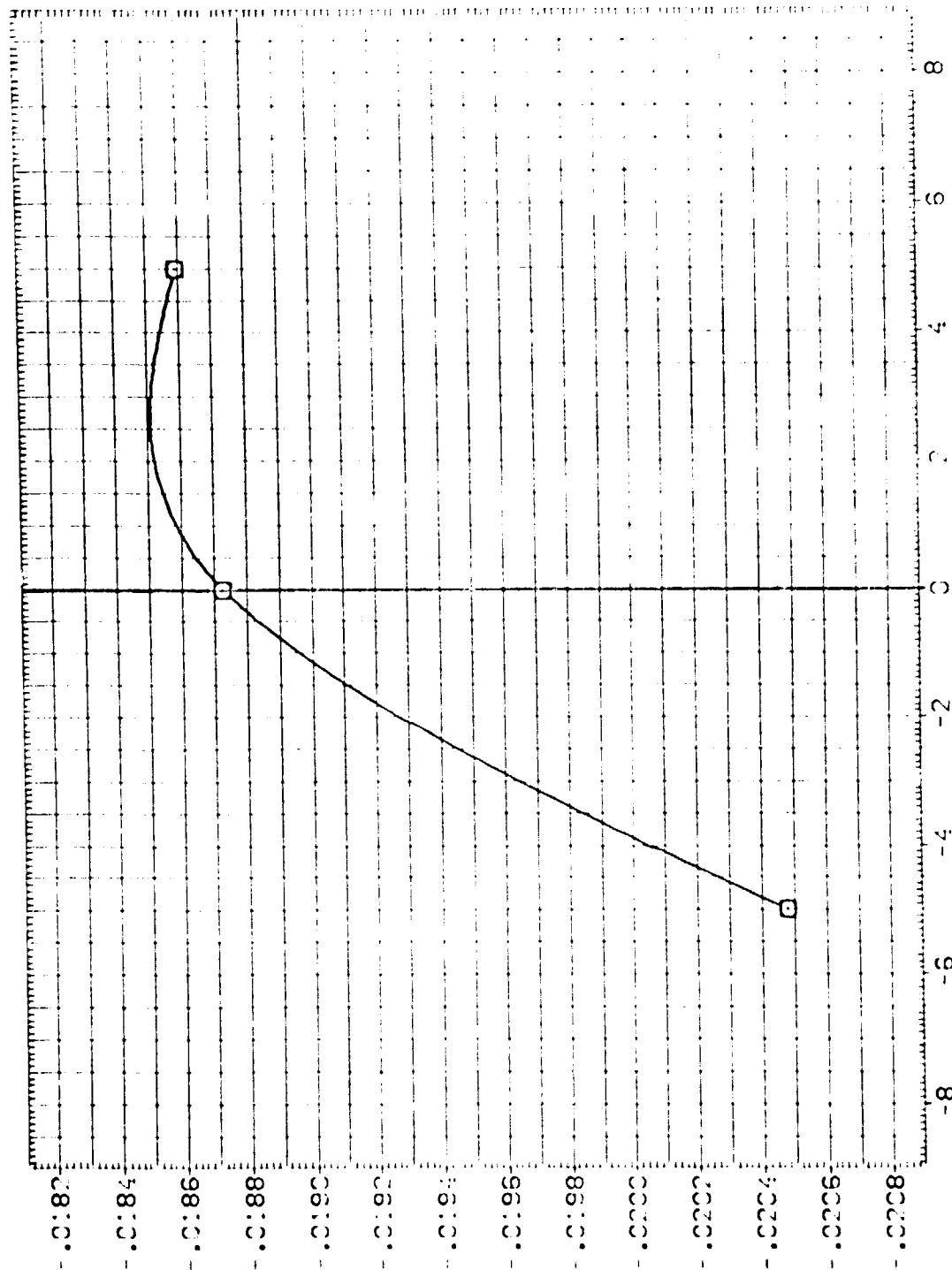


FIG. 4 526 C9 F8 W7 N28 V8 R5 W116 E26 , ALPHA = 27

AXES 97-016 01223 326 09 F8 W7 N28 V8R5 W116 E26 (184005)

SYMBOL	WACH	ALPHA	PARABOLIC VALUES	REF	SCALE	REFERENCE INFORMATION
○	1.550	27.000	ELEVATION	2.4210	SO. FT.	
○	2.700	27.000	SLOPE	38.7090		
				38.7090		
				20.5410		
				.0000		
				.0000		
				.0000		

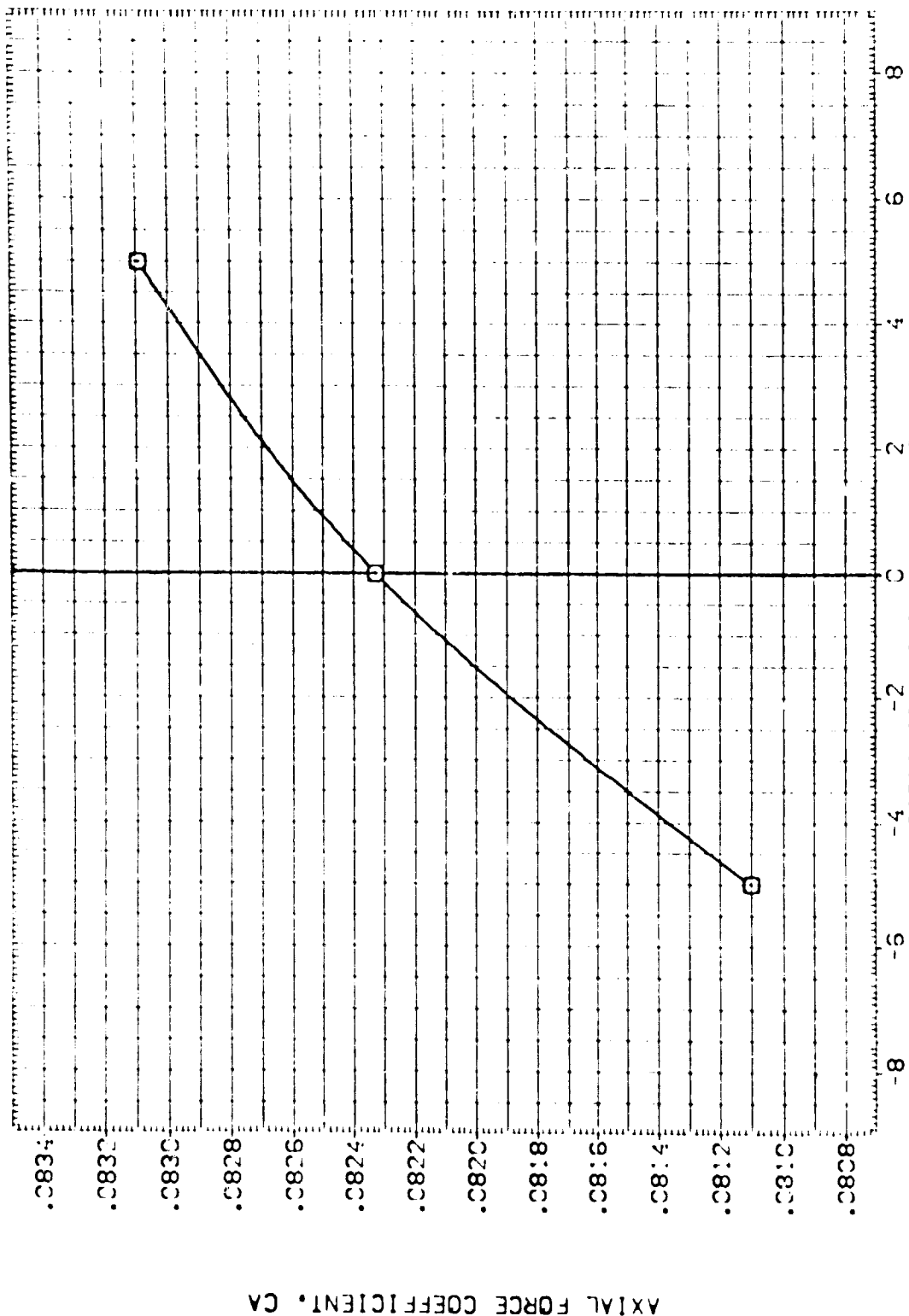


FIG. 4 B26 C9 F8 W7 N28 V8 R5 W116 E26, ALPHA = 27

AVES 90-716 CA223 B26 C9 F8 W7 N28 V8R5 W116 E26(134005)

SYMB  
O

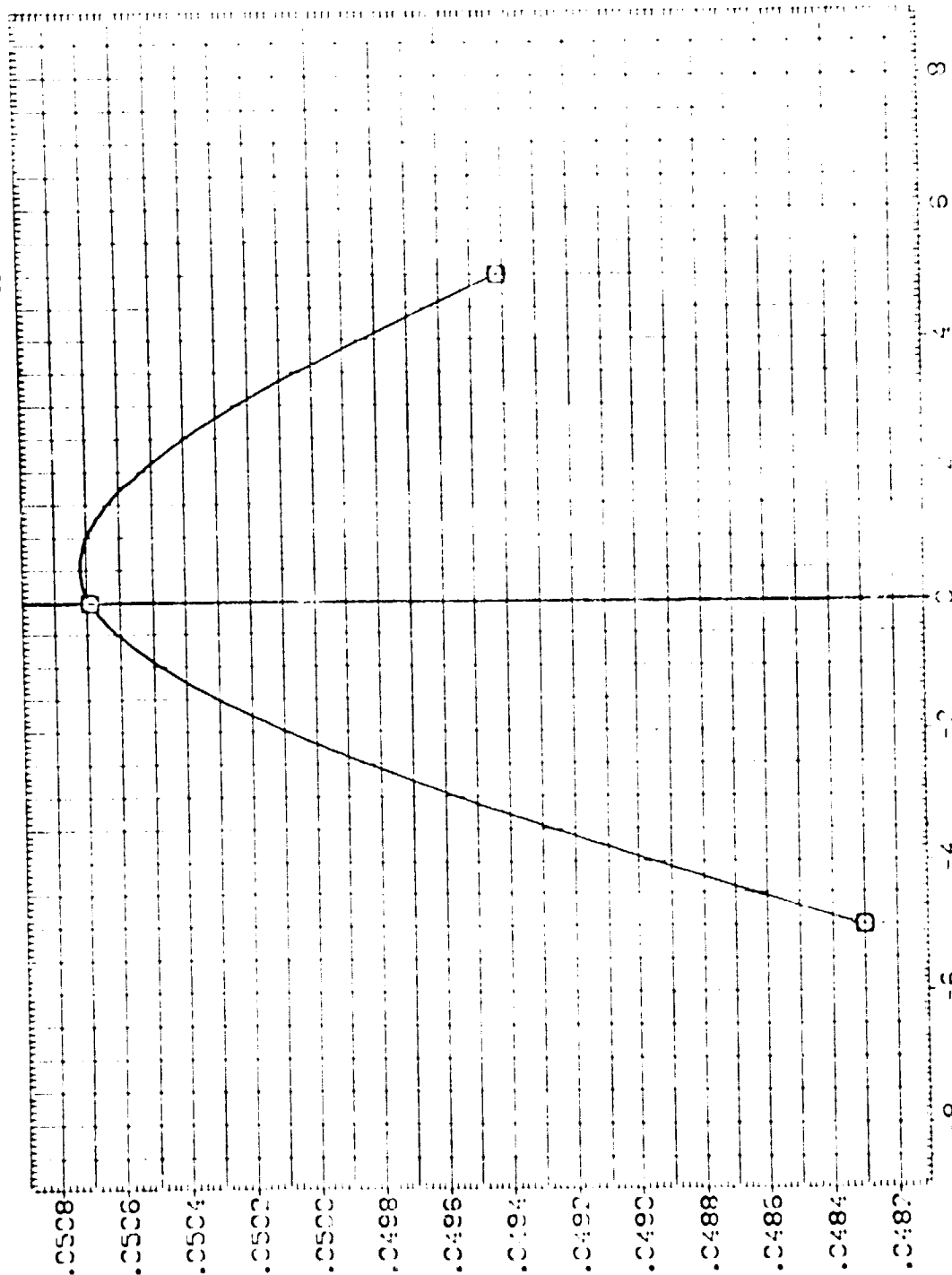
MACH  
1.550  
2.700

ALPHA  
RUDER

PARAMETRIC VALUES  
27.000 ELEVON  
.000 SPOON

.000  
.000

REFERENCE INFORMATION  
SRF 2.4210 SQ.FT.  
LREF 38.7080  
BRF 38.7030  
XREF 75.5420  
YREF .0000  
ZREF .0000  
SCALE .0300



FOREBODY AXIAL FORCE COEFFICIENT, CAF

FIG. 4 B26 C9 F8 W7 N28 V8 R5 W116 E26 • ALPHA = 2°  
SIDESLIP ANGLE, BETA, DEGREES

AMES 97-716 CA223 B26 C9 F8 M7 N28 V8R5 W116 E26 (194005)

SYMBOL



MACH  
1.550  
2.000

ALPHA  
RADER

PARAMETRIC VALUES  
27.000 ELEVON  
.000 SPO3PK

.000  
.000

REFERENCE INFORMATION

SREF 2.4210 SQ.FT.  
LREF 38.7090  
BREF 38.7090  
XREF 25.5420  
YREF .0000  
ZREF .0000  
SCALE .0000

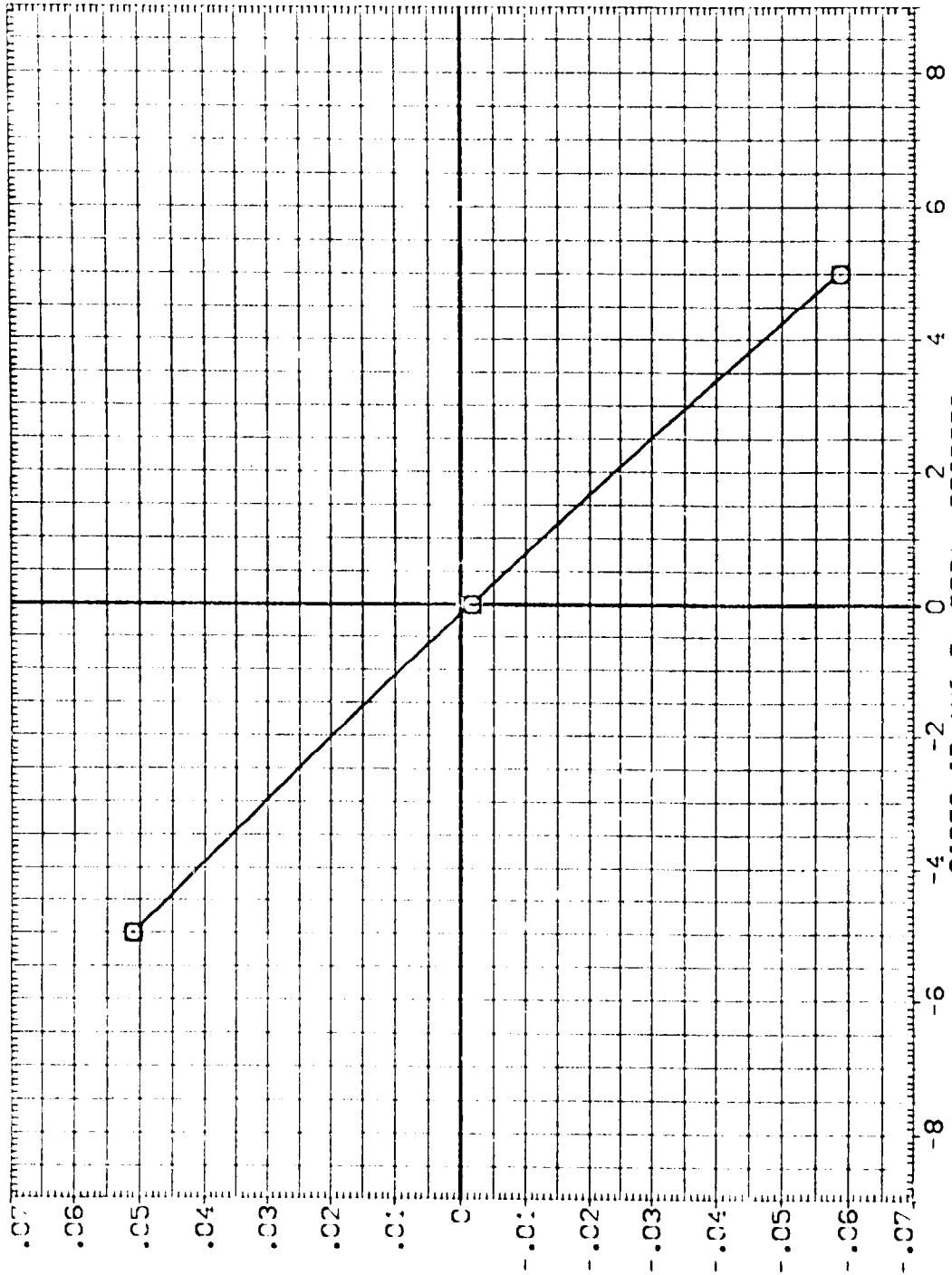


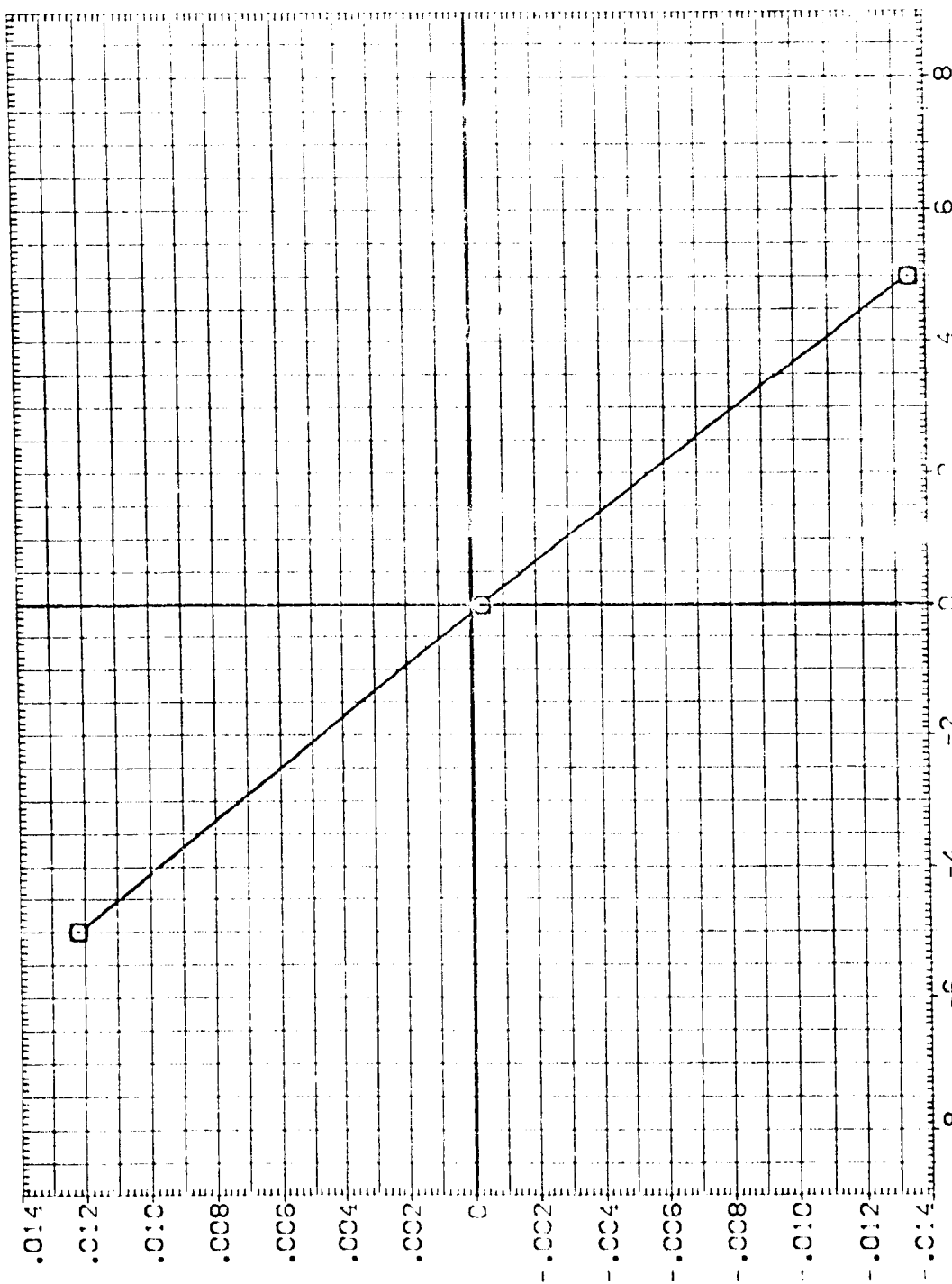
FIG. 4 B26 C9 F8 M7 N28 V8 R5 W116 E26 . ALPHA = 27  
SIDESLIP ANGLE. BETA. DEGREES

AMES 97-716 0A223 B26 C9 F8 M7 N28 V8R5 W116 E26(1B4005)

SYMBOL MACH ALPHA RUDDER  
 O 1.550  
 2.200

PARAMETRIC VALUES  
 27.000 ELEVON  
 .000 SPCBRK  
 .000

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



SIDESLIP ANGLE, BETA, DEGREES

FIG. 4 B26 C9 F8 M7 N28 V8 R5 W116 E26, ALPHA = 27

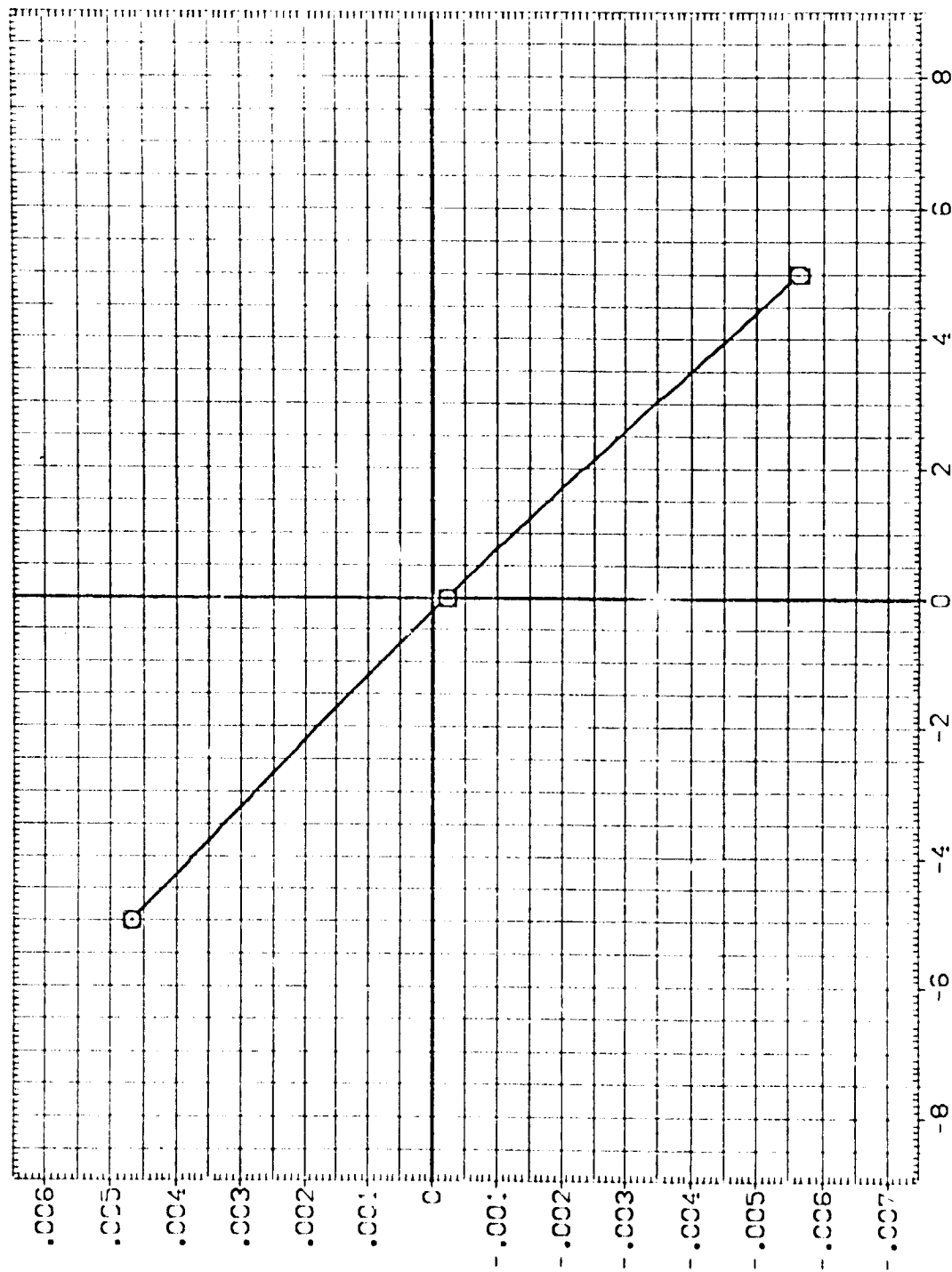
AVES 97-716 CA228 B26 C9 F8 M7 N28 V8R5 W116 E26 (IB4005)

SYMBOL  
( )

MACH ALPHA RUDER  
1.550 .000  
2.000 .000

PARAMETRIC VALUES  
27.000 ELEVON  
.000 SPOILER

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
UREF 38.7500  
BREF 38.7500  
XMRB 25.5420  
YMRB .0000  
ZMRB .0000  
SCALE .0300



ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

FIG. 4 B26 C9 F8 M7 N28 V8 R5 W116 E26 , ALPHA = 27

AVES 97-716 0A223 B26 C9 F8 M7 N28 V8R5 W116 E26(1B4005)

SYMBOL  
O  
I

MACH  
1.550  
2.200

ALPHA  
RUDDER

PARAMETRIC VALUES  
27.000 ELEVEN  
.000 SP3BX

.000  
.000

REFERENCE INFORMATION  
SREF 2.4210 SQ. FT.  
LREF 38.7090 IN.  
BREF 38.7090 IN.  
XMRP 25.5420 IN.  
YMRP .0000 IN.  
ZMRP .0000 IN.  
SCALE .0300

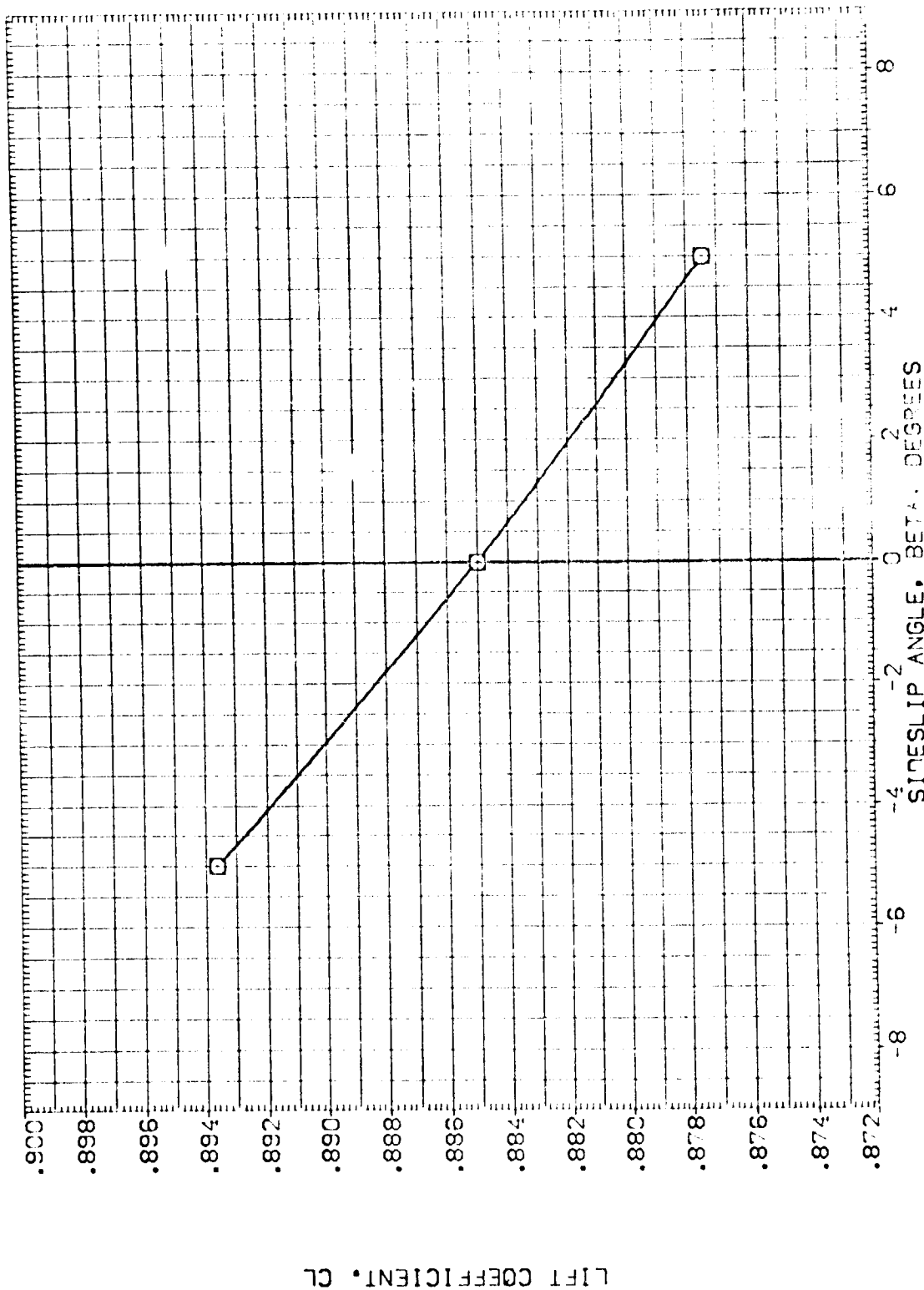


FIG. 4 B26 C9 F8 M7 N28 V8 R5 W116 E26, ALPHA = 27

AMES 97-716 04223 326 C9 F8 M7 N28 V8R5 W116 E26 (184005)

SYMBOL

MACH

ALPHA

PARAMETRIC VALUES

ELEVATION

REF

REF

REF

REF

REF

REF

REF

REF

REF

REF

REF

1.550

2.200

RUDDER

27.000

1.000

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AVES 97-716 CA223 B26 C9 F8 M7 N28 V8R5 W116 E26 (I34005)

SYMBOL  
O

MACH  
1.550  
2.200

ALPHA  
RUDDER

PARAMETRIC VALUES  
27.000 ELEVON  
.000 SPO3RX

.000  
.000

REFERENCE INFORMATION  
SREF 2.4210 50.FT.  
LREF 38.7090 IN.  
BREF 38.7090 IN.  
XREF 25.5420 IN.  
YREF .0000 IN.  
ZREF .0000 IN.  
SCALE .0300

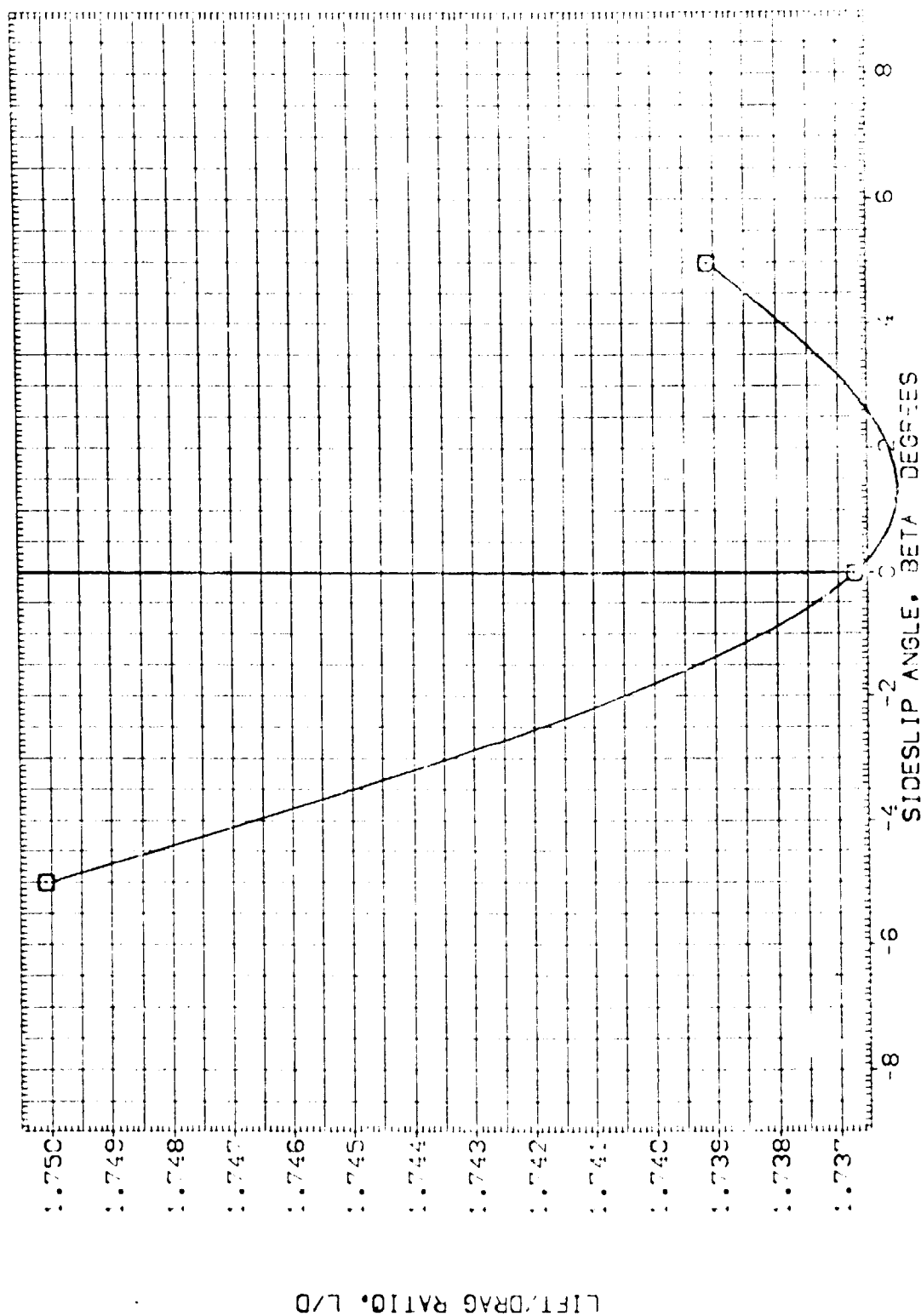


FIG. 4 B26 C9 F8 M7 N28 V8 R5 W116 E26, ALPHA = 27



AVES 97-716 GA22B B26 C9 F8 W7 N28 V8R5 W116 E26 (194010)

SYMBOL	MACH	ALPHA	PARAMETRIC VALUES		REFERENCE INFORMATION
			20.000	ELEVATION	
○	1.550	RUDDER	10.000	SPORX	2.4210
○	2.000				38.7080
					38.7080
					25.5420
					.0000
					.0000
					.0300

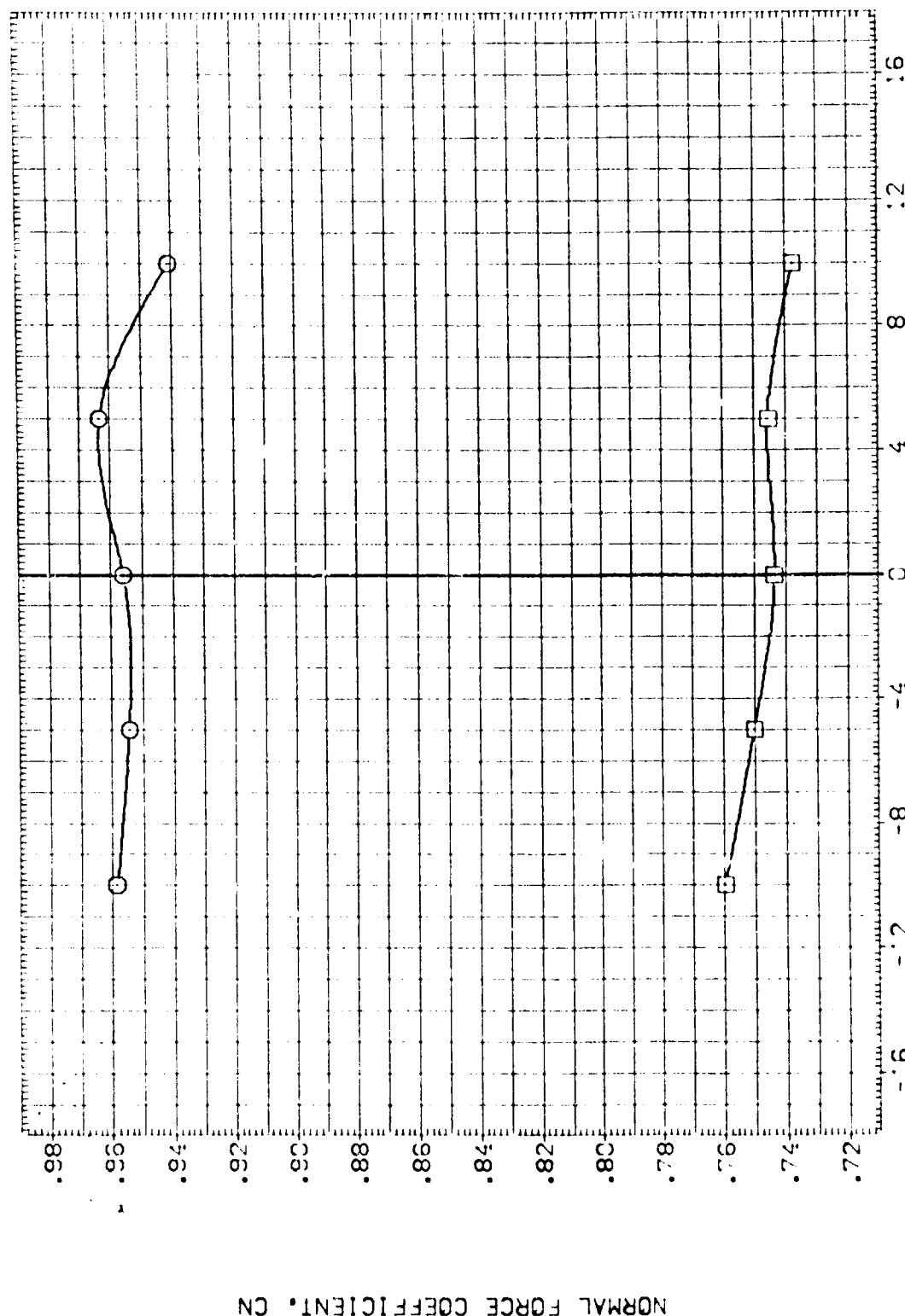


FIG. 5 B26 C9 F8 W7 N28 V8 R5 W116 E26, ALPHA = 20, RUDDER = 10

AMES 97-7:6 CA223 B26 C9 F8 M7 N28 V8R5 W116 E26(I94010)

SYMBOL MACH  
 ○ 1.550  
 □ 2.200

PARAMETRIC VALUES  
 ALPHA 20.000 ELEVON .000  
 RUDDER 10.000 SPOILER .000

REFERENCE INFORMATION  
 SREF 2.421C  
 LREF 38.709C  
 BREF 38.709C  
 XMRP 25.542C  
 YMRP .000C  
 ZMRP .000C  
 SCALE .03CC

PITCHING MOMENT COEFFICIENT, CLM

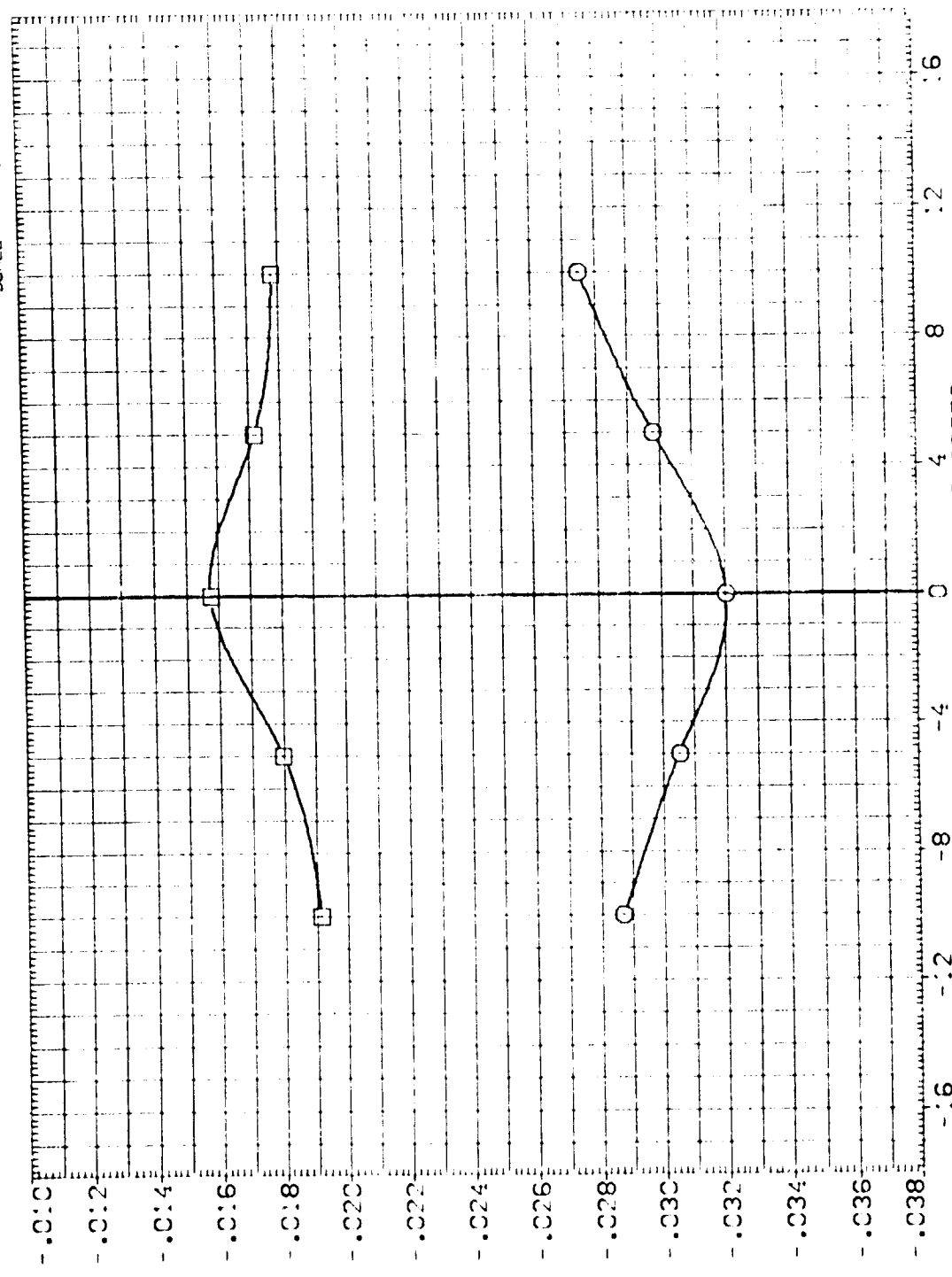


FIG. 5 B26 C9 F8 M7 N28 V8 R5 W116 E26, ALPHA = 20, RUDDER = 10

SREF	7.4210	90.FT.
REF	80.	7.7.
BEE	85.	7.7.
V200	5400	7.7.
V200	.0000	
V200	.0000	
SCALE	.0000	

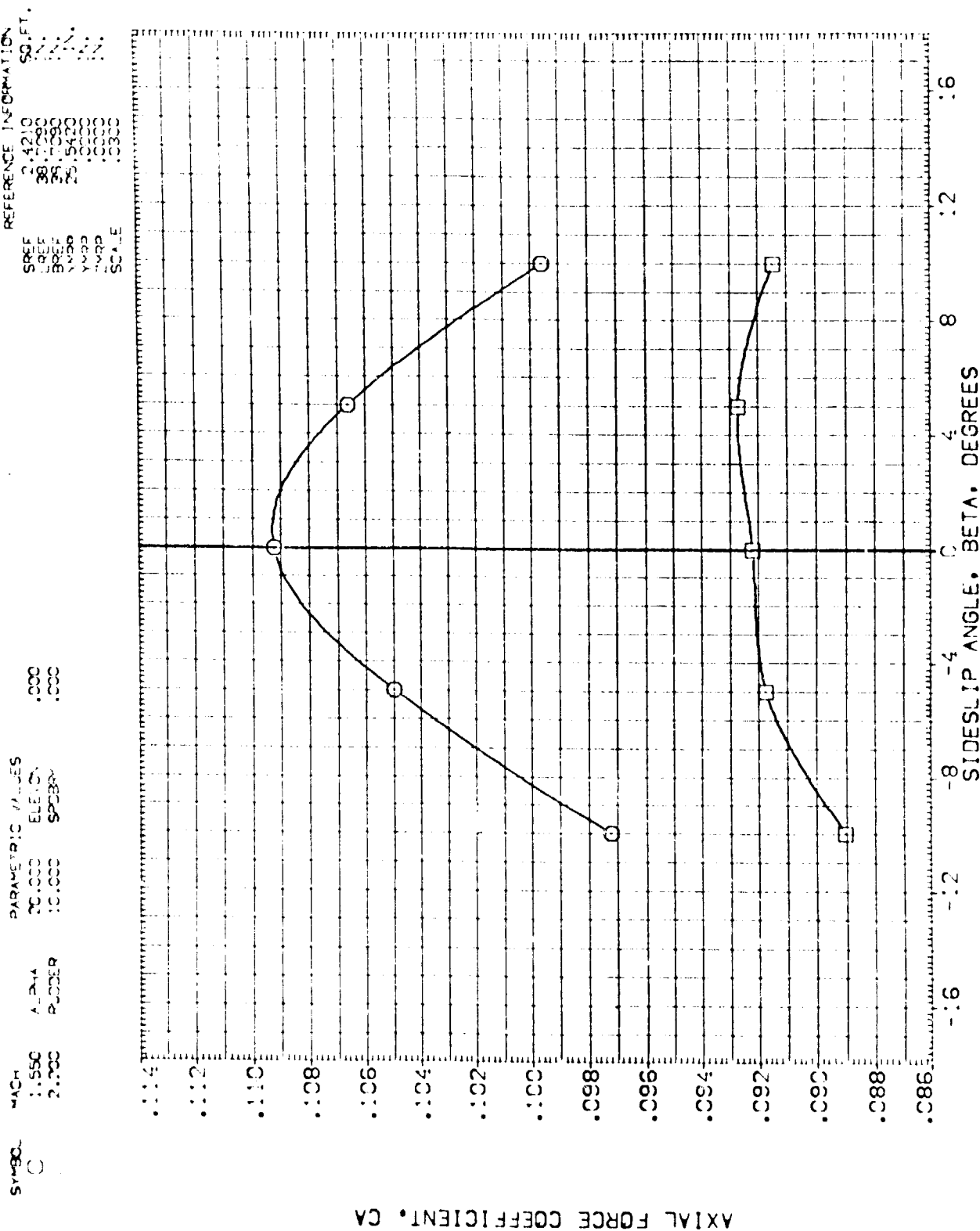


FIG. 5 926 C9 F8 W7 N28 V8 R5 W116 E26 • ALPHA = 20 • RUDDER = 10

AVES 97-7:16 CA223 326 C9 F8 M7 N28 V8R5 W116 E26(1B4010)

SYMBOL  
O  
O

WACH  
1.550  
2.100

PARAMETRIC VALUES  
ALPHA 20.000  
RUDDER 10.000

ELEVATION  
SPDRK  
.000  
.000

REFERENCE INFORMATION  
SREF 2.4210  
LREF 38.7000  
BREF 38.7000  
VREF 38.5420  
V800 .0000  
V800 .0000  
V800 .0000  
SCALE .0300

FOREBODY AXIAL FORCE COEFFICIENT, CAF

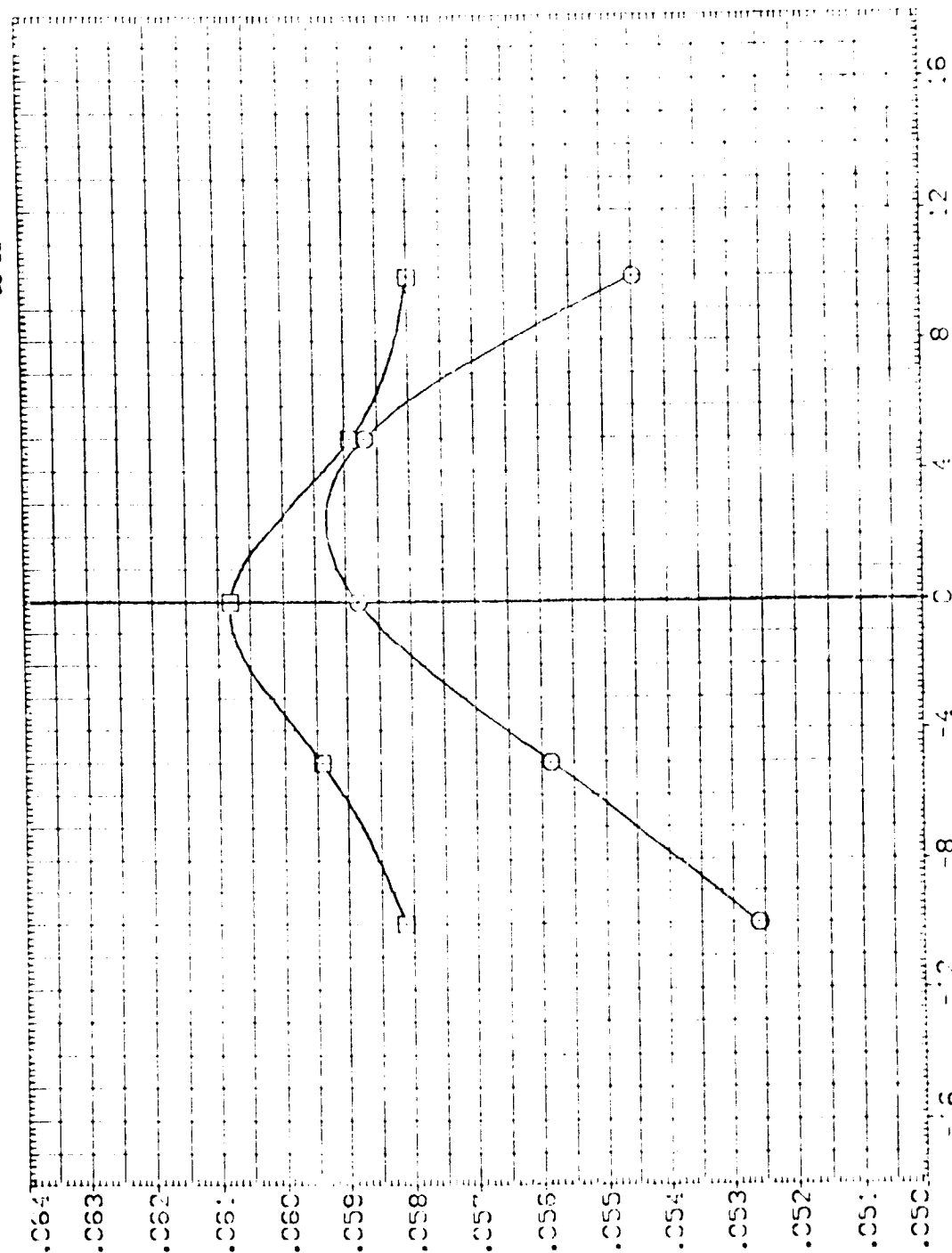


FIG. 5 326 C9 F8 M7 N28 V8 R5 W116 E26 • ALPHA = 20 • RUDDER = 10

AVES 900016 CA023 326 C9 F8 VT N28 V8R5 W116 E26 (134010)

SYMBOL

WAC  
1.550  
2.100

ALPHA  
RUDDER

PARAMETRIC VALUES  
20.000 ELEVATION  
10.000 SPEED

.000  
.000

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
REF 38.7000  
BREF 38.7000  
VREF 25.5400  
VREF .0000  
VREF .0000  
SCALE .0300



FIG. 5 326 C9 F8 VT N28 V8 R5 W116 E26, ALPHA = 20, RUDDER = 10

AVES 90-016 CA223 326 C9 F8 M7 N28 V8R5 W116 E26 (134010)

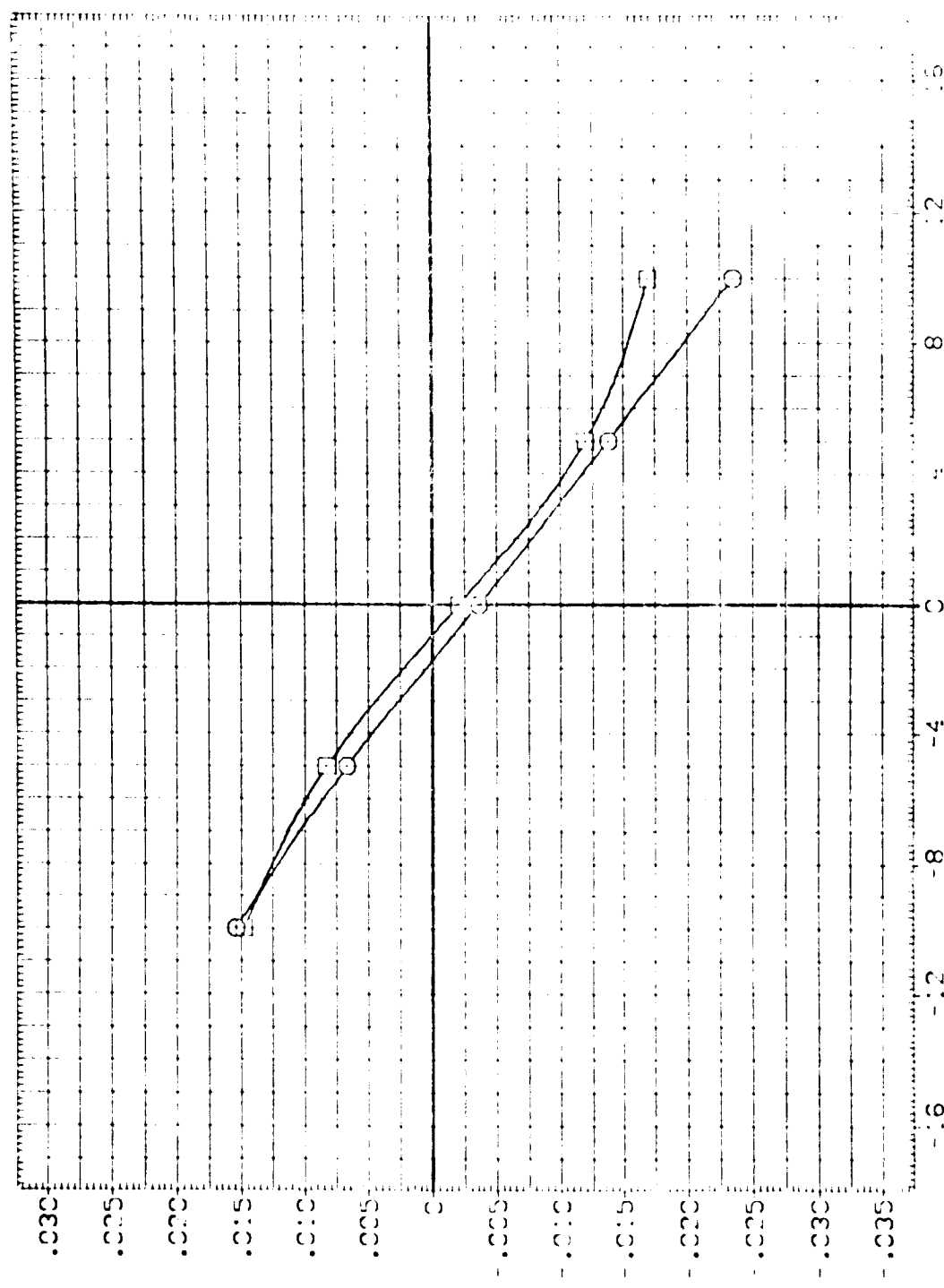
SYMBOL  
O

MACH  
1.550  
2.000

PARAMETRIC VALUES  
ALPHA 20.000 ELEVATION  
RUDDER 10.000 SPEEDKX

.000  
.000

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
LREF 38.7090  
SREF 38.7090  
VREF 25.5120  
VREF .0000  
VREF .0000  
SCALE .0300



YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

FIG. 5 326 C9 F8 M7 N28 V8 R5 W116 E26, ALPHA = 20, RUDDER = 10



WING 325 09 F8 W7 N28 18 R5 W1:6 E26 (184010)

SYMBOL  
 ( )  
 [ ]

MACH 1.050  
 2.000

PARAMETRIC VALUES

ALPHA 20.000  
 RUDDER 10.000

SLIP 5.000

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REFERENCE INFORMATION  
 SREF 2.4210  
 REF 38.0000  
 SREF 38.0000  
 VREF 25.5410  
 VREF 10.0000  
 VREF 10.0000  
 SCALE 10.000

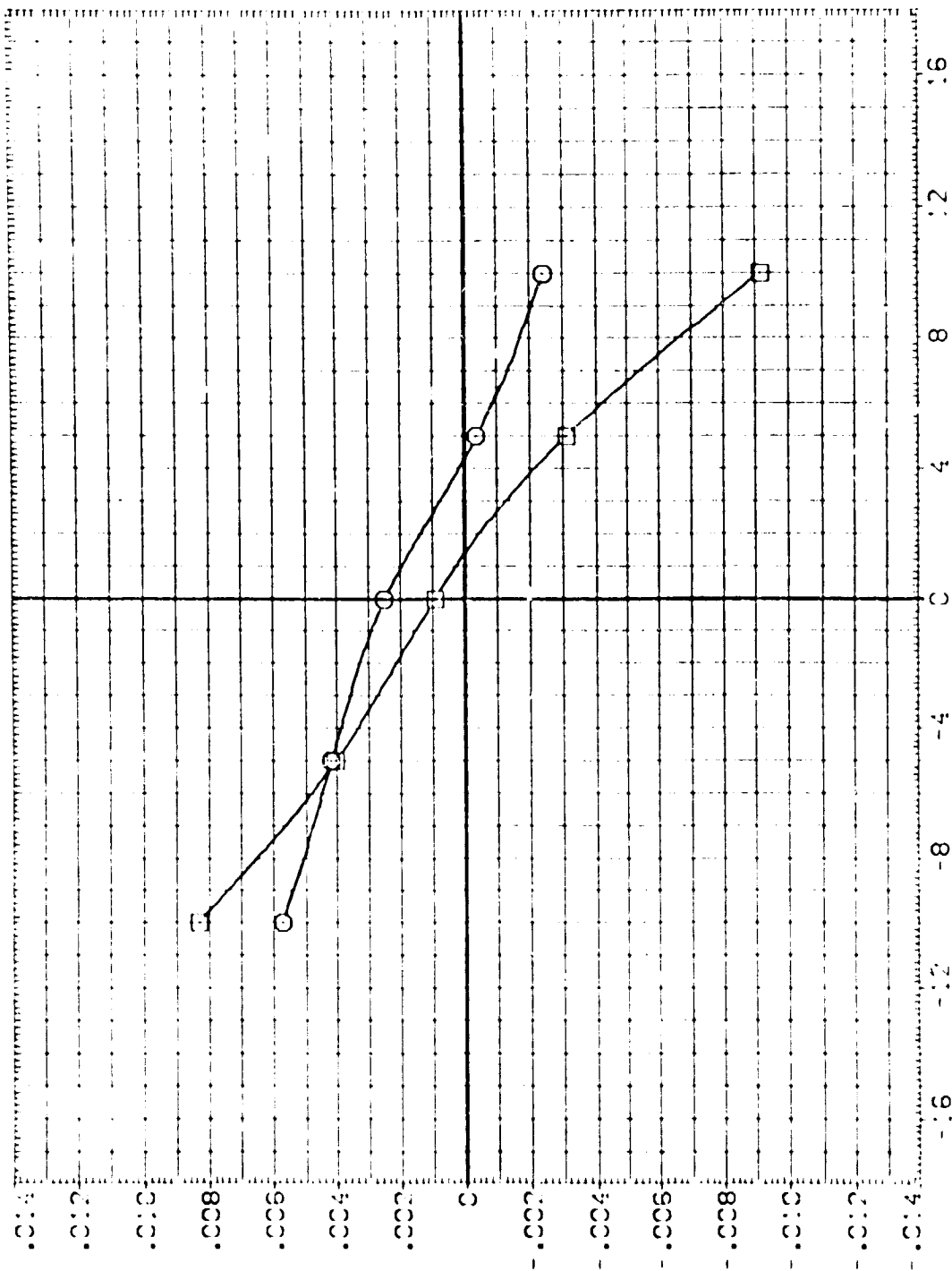


FIG. 5 325 09 F8 W7 N28 18 R5 W1:6 E26, ALPHA = 20, RUDDER = 10



AMES 97-016 GA223 326 C9 F8 W7 N28 V8R5 W116 E26 (194010)

SYMBOL

MACH

ALPHA

PARAMETRIC VALUES

ELEVON

SPDRK

REFERENCE INFORMATION

SC. CT.

2.4210

38.7090

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29.5470

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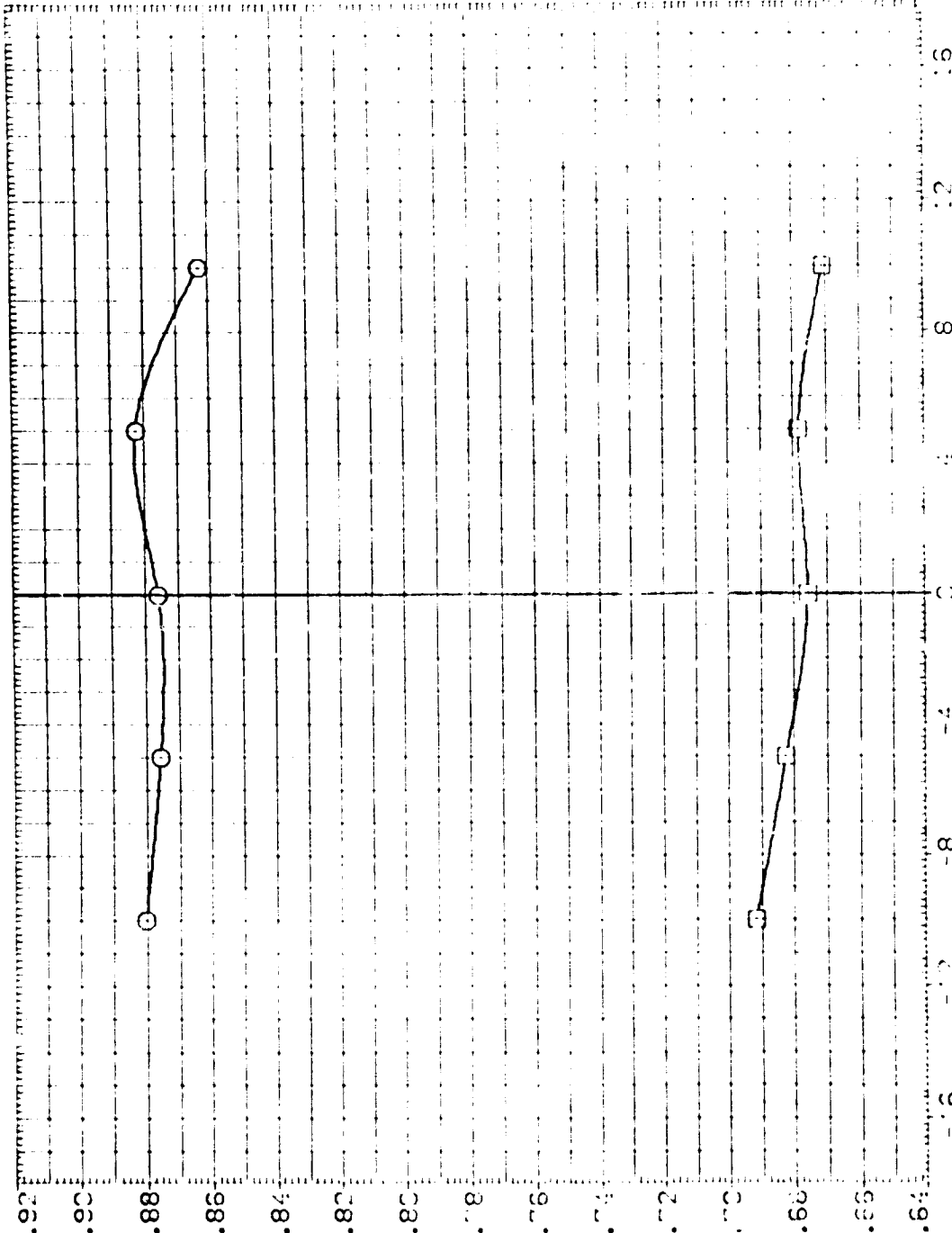
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REF

REF

REF

SCALE



LIFT COEFFICIENT, CL

FIG. 5 326 C9 F8 W7 N28 V8 R5 W116 E26, ALPHA = 10, RUDDER = 10

AVES 97-716 CA223 B26 C9 F8 M7 N28 V8R5 W116 E26(184010)

SYMBOL  
O  
□

MACH  
1.550  
2.200

ALPHA  
RUDDER

PARAMETRIC VALUES  
20.000 ELEVEN  
10.000 SP03RX

REFERENCE INFORMATION  
SREF 2.4210 50.FT.  
LREF 38.7050 IN.  
BREF 38.7050 IN.  
XV00 25.5420 IN.  
YV00 .0000 IN.  
ZV00 .0000 IN.  
SCALE .0300

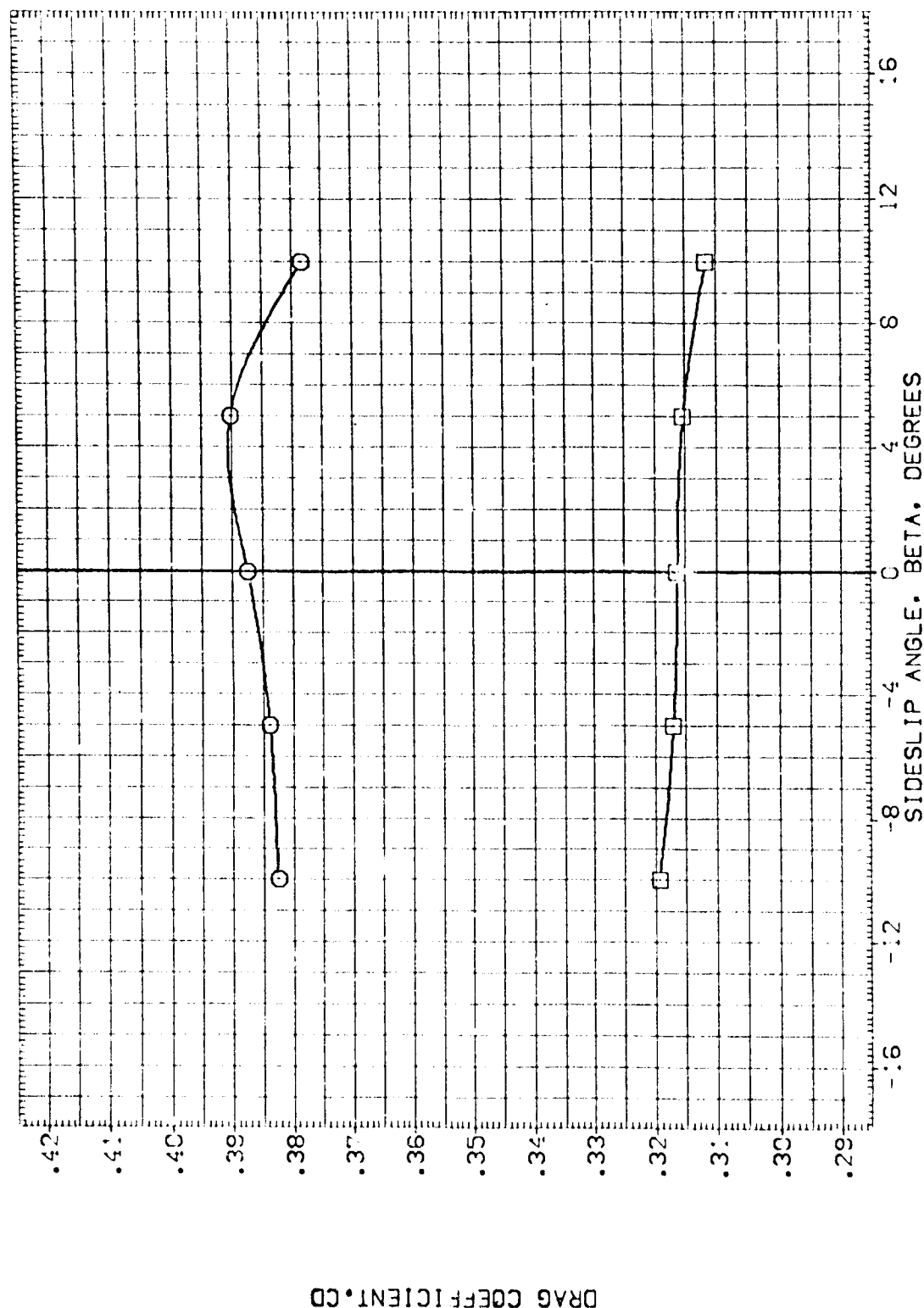


FIG. 5 B26 C9 F8 M7 N28 V8 R5 W116 E26 , ALPHA = 20 , RUDDER = 10

AVES 97-7:6 0A223 326 C9 F8 W7 N28 V8R5 W:16 E26(194010)

REFERENCE INFORMATION	
SREF	2.4210
LREF	38.7090
BREF	38.7090
XMRP	29.5420
YMRP	.0000
ZMRP	.0000
SCALE	.0300

PARAMETRIC VALUES	
20.000	ELEVON
10.000	SOCBRX

SYMBOL	MACH
Q1	1.550
Q2	2.200

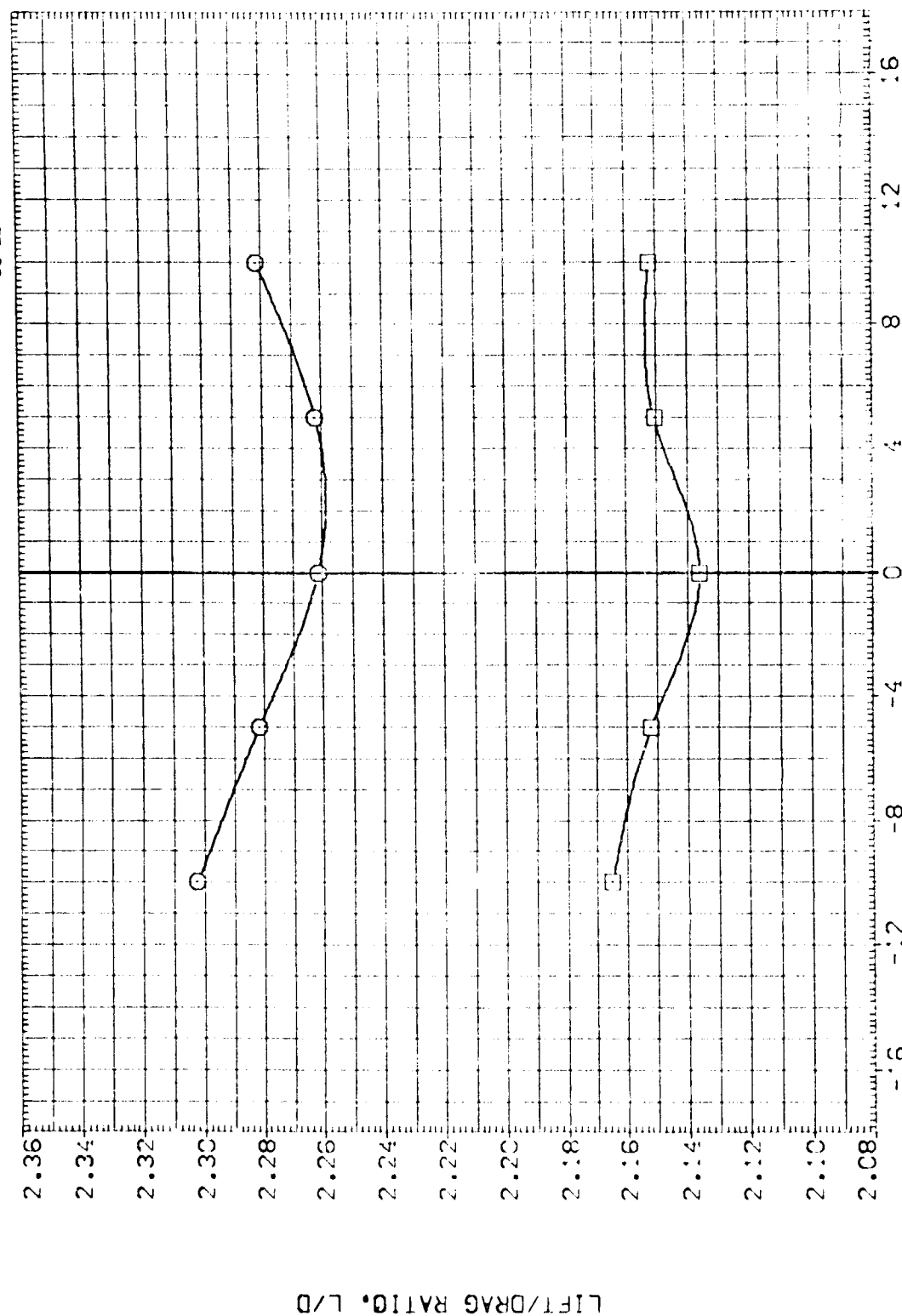


FIG. 5 B26 C9 F8 M7 N28 V8 R5 W116 E26 , ALPHA = 20 , RUDDER = 10

AVES 97-016 04223 B26 C9 F8 M7 N28 V8R5 W116 E26(194011)

SYMBOL MACH  
 ○ 1.550  
 ○ 2.000

PARAMETRIC VALUES  
 ALPHA 20.000 ELEVON .000  
 RUDDER -10.000 SPO30X .000

REFERENCE INFORMATION  
 SREF 2.4210 SQ.FT.  
 LREF 38.7090 IN.  
 BREF 38.7090 IN.  
 XMRP 25.5420 IN.  
 YMRP .0000 IN.  
 ZMRP .0000 IN.  
 SCALE .0300

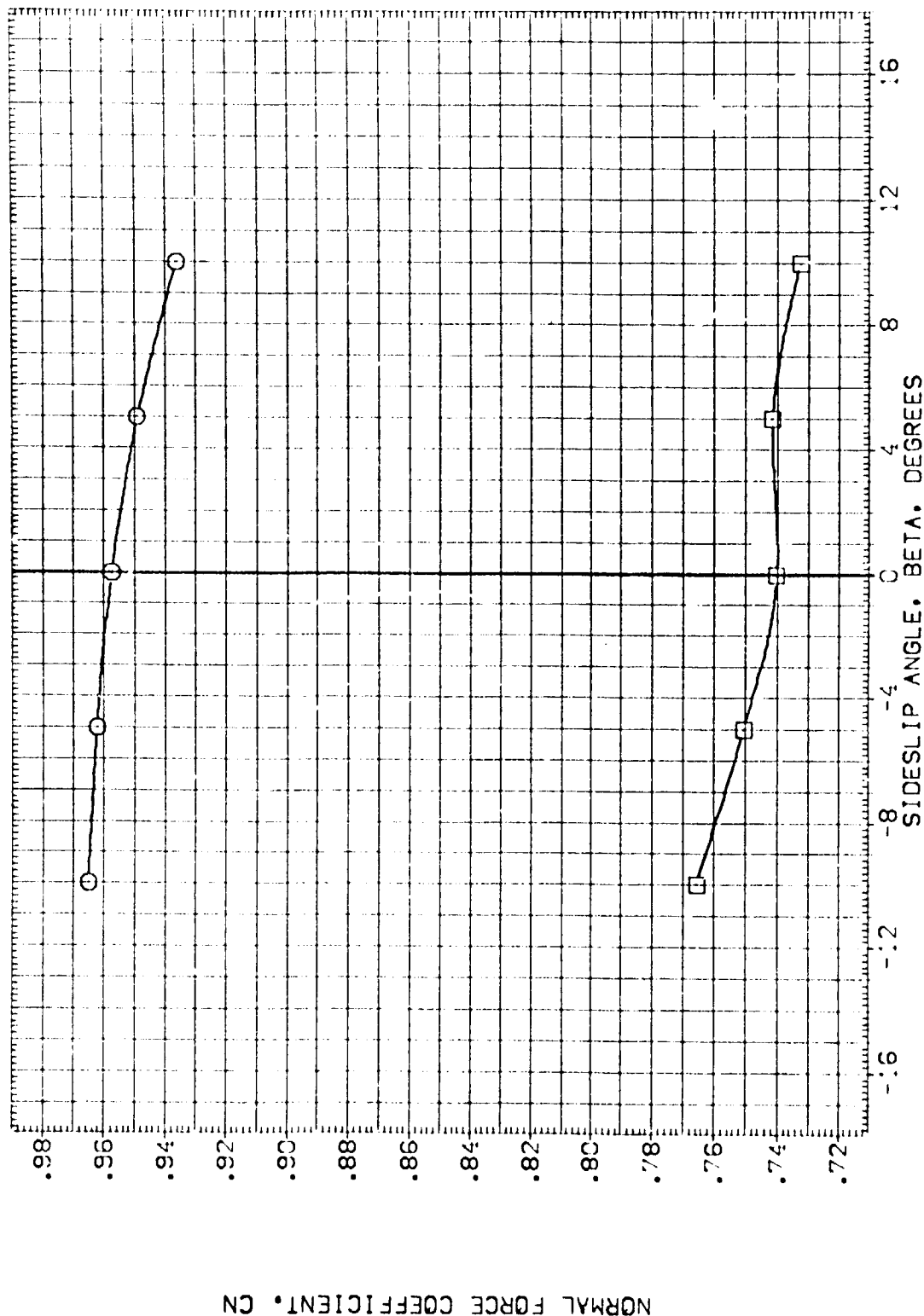


FIG. 6 B26 C9 F8 M7 N28 V8 R5 W116 E26 , ALPHA = 20 , RUDDER = -10

AMES 97-7:16 CA223 326 C9 F8 M7 N28 V8R5 W116 E26(1B4011)

SYMBOL

MACH

ALPHA

RUDDER

PARAMETRIC VALUES

ELEVON

SPDRK

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AMES 97-016 04023 B26 C9 F8 M7 N28 V8R5 W116 E26(194011)

SYMBOL  
○

MACH 1.550  
2.000  
PARAMETRIC VALUES  
ALPHA 20.000 ELEVATION .000  
RUDDER -10.000 SP03PX

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
LREF 38.7090  
BREF 38.7090  
XREF 25.5420  
YREF .0000  
ZREF .0000  
SCALE .0300

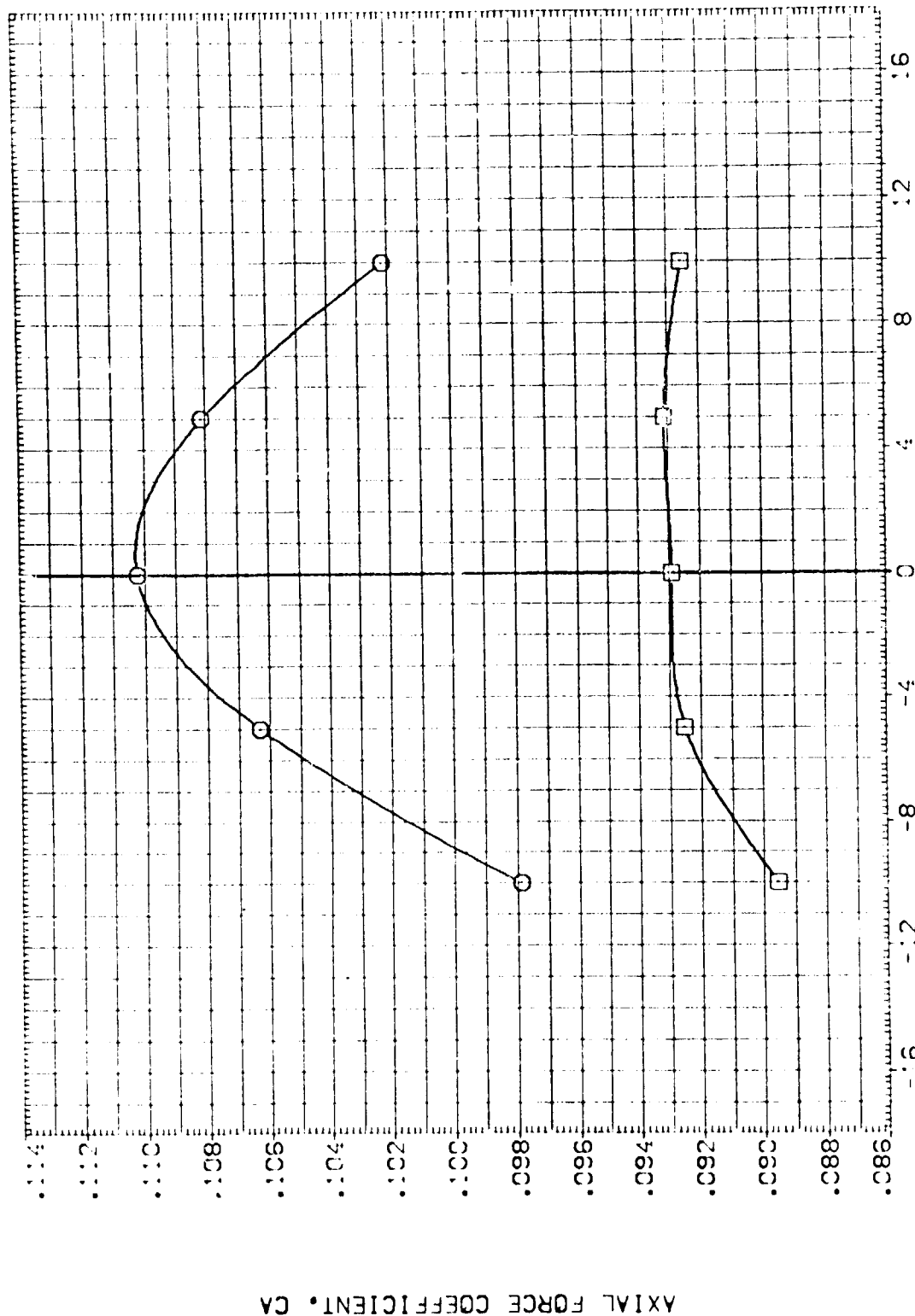


FIG. 6 B26 C9 F8 M7 N28 V8 R5 W116 E26 , ALPHA = 20 , RUDDER = -10

AVES 97-716 CA22B B26 C3 F8 M7 N28 V8R5 W116 E26 (1B4011)

SYMBOL  
○

MACH  
1.550  
2.200

ALPHA  
RUDDER

PARAMETRIC VALUES  
20.000 ELEVON  
-10.000 SPOBRK

.000  
.000

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
LREF 38.7090  
BREF 38.7090  
XVGR 29.5420  
YVGR .0000  
ZVGR .0000  
SCALE .0300

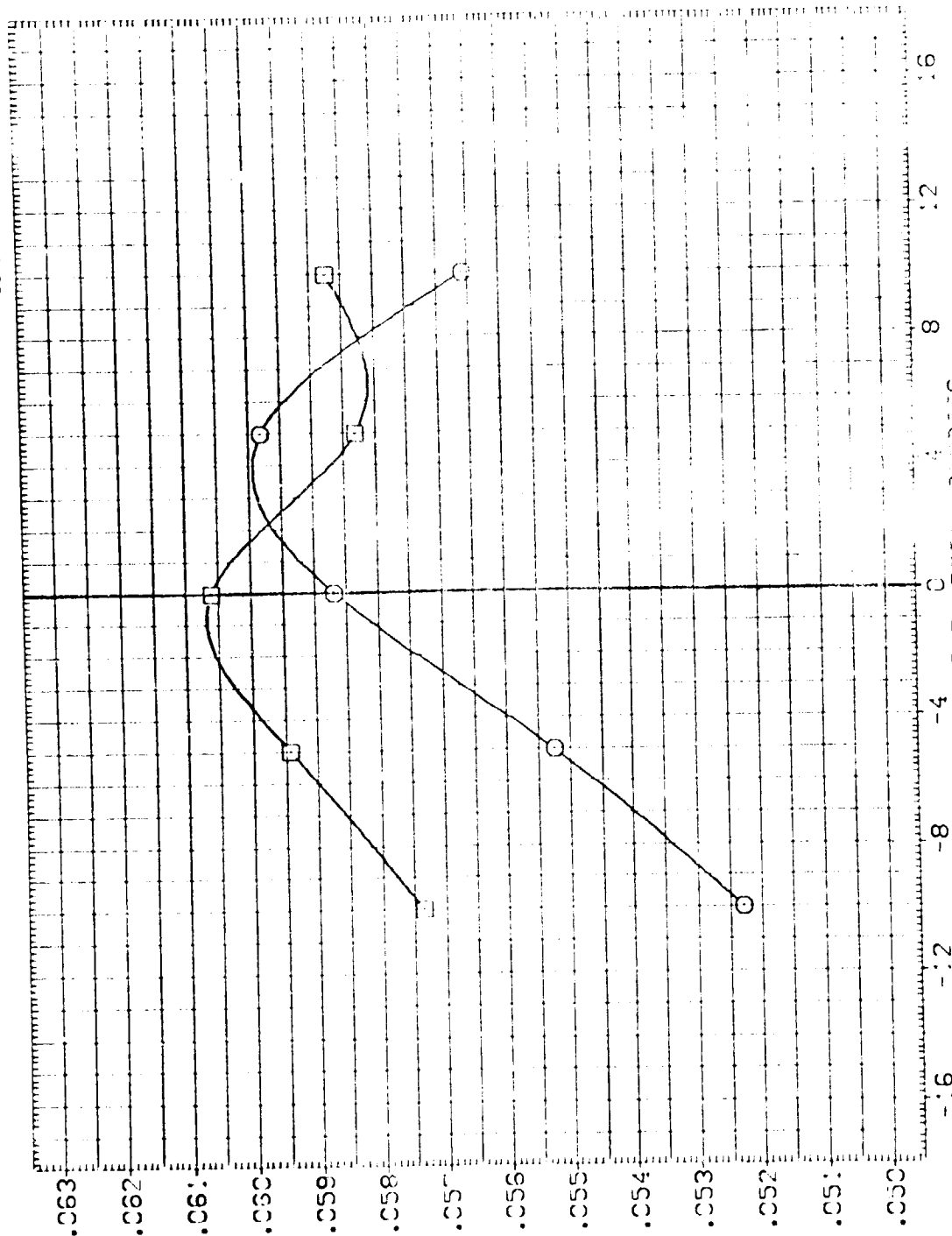


FIG. 6 326 C9 F8 M7 N28 V8 R5 W116 E26, ALPHA = 20, RUDDER = -10



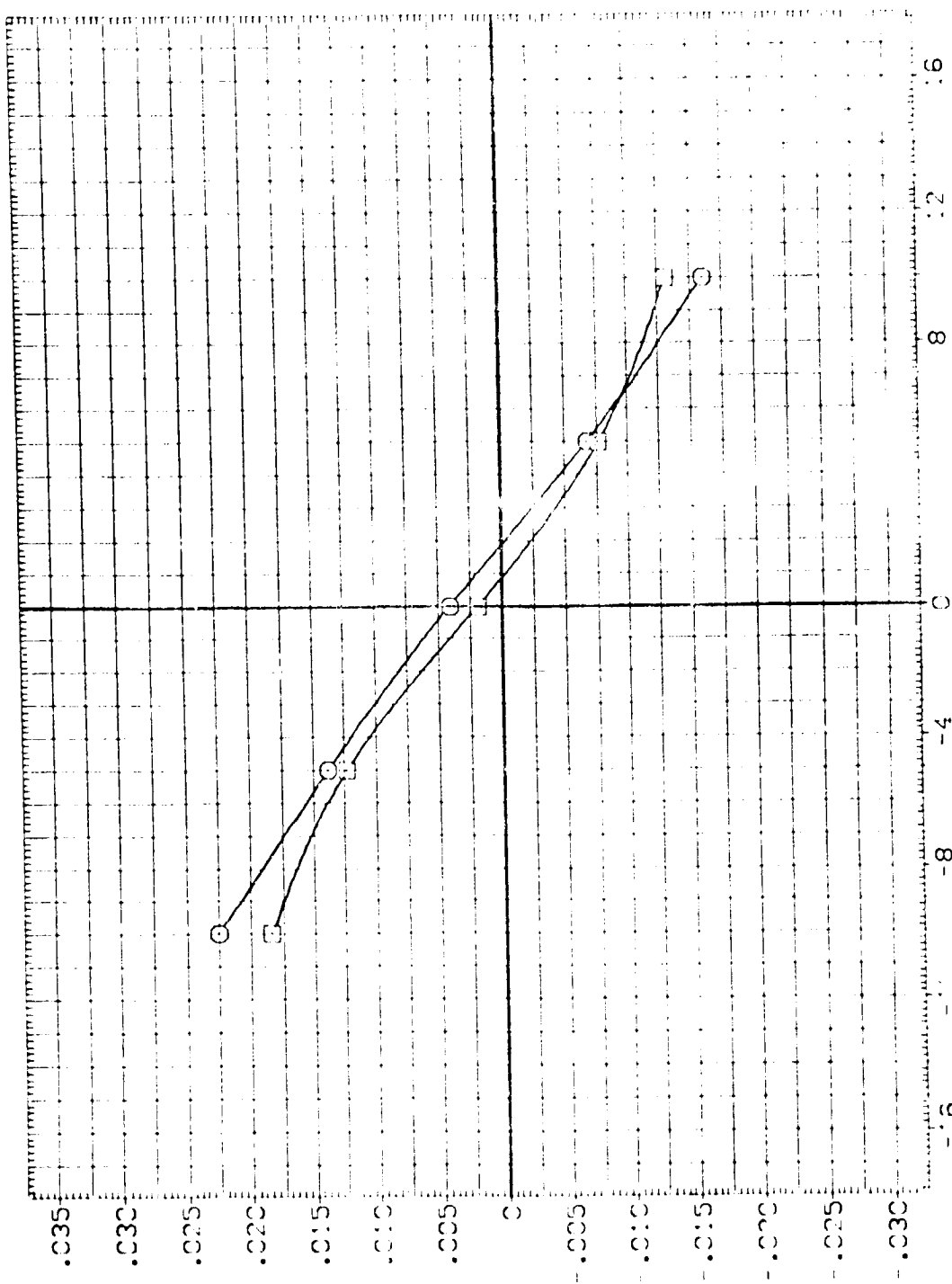


AMES 97-716 0A223 B26 C9 F8 M7 N28 V8R5 W116 E26 (1B4011)

REFERENCE INFORMATION  
 SREF 2.4210 50. FT.  
 LREF 38.7090  
 BREF 38.7090  
 VREF 25.5420  
 YREF .0000  
 ZREF .0000  
 SCALE .0300

PARAMETRIC VALUES  
 MACH 1.550  
 ALPHA 20.000  
 RUDDER -10.000  
 ELEVON .000  
 SPOON .000

SYMBOL  
 ○



YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

FIG. 6 B26 C9 F8 M7 N28 V8 R5 W116 E26, ALPHA = 20, RUDDER = -10



AVES 97-7:16 CA223 B26 C9 F8 M7 N28 V8R5 W116 E26 (184011)

SYMBOL

○

MACH

1.550  
2.200

ALPHA  
RUDDER

20.000  
-10.000

PARAMETRIC VALUES

ELEVON  
SP3BX

.000  
.000

REFERENCE INFORMATION

SREF 2.4210  
LREF 38.7090  
BREF 38.7090  
XVRP 25.5110  
YVRP .0000  
ZVRP .0000  
SCALE .0300

SO.FT.

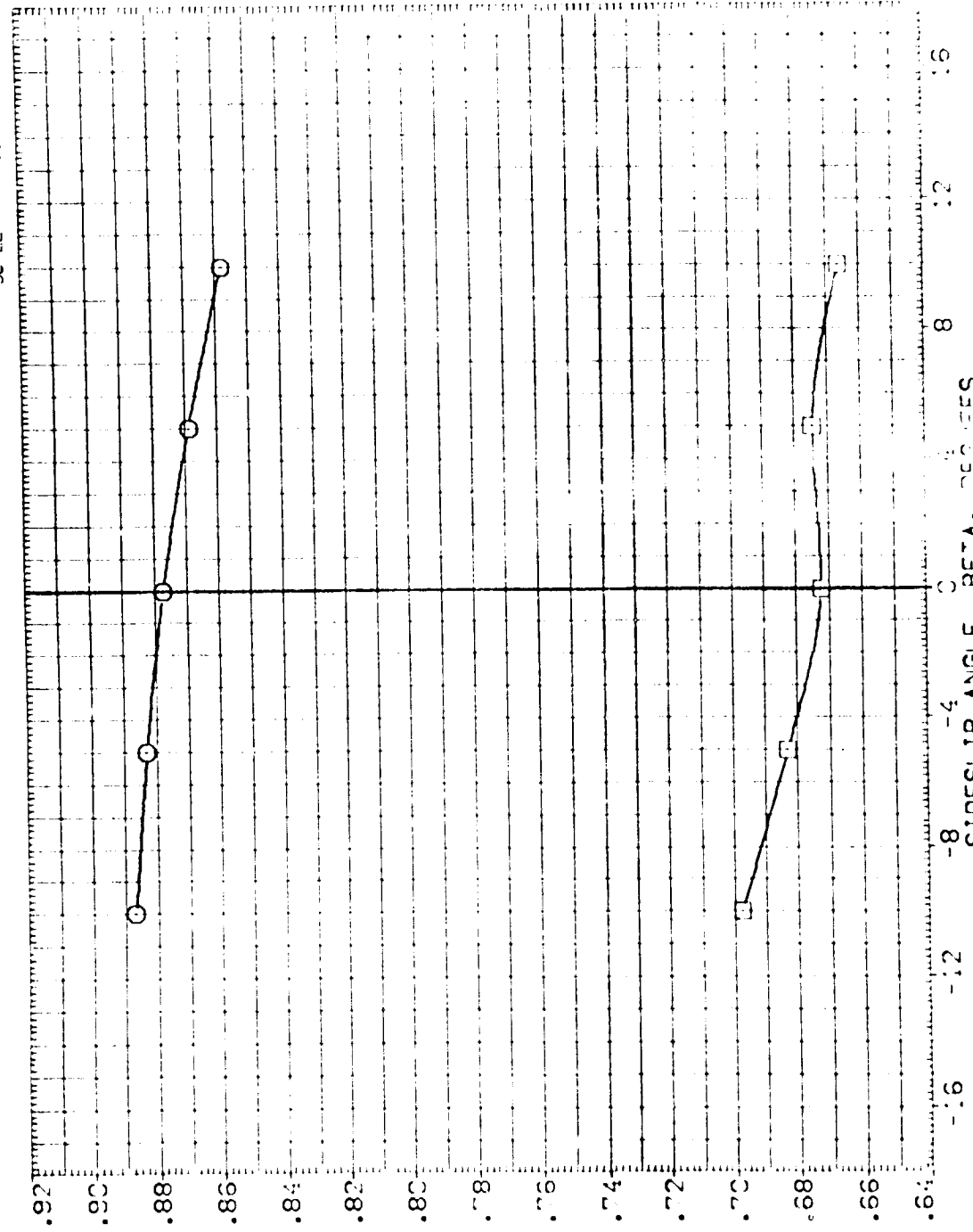
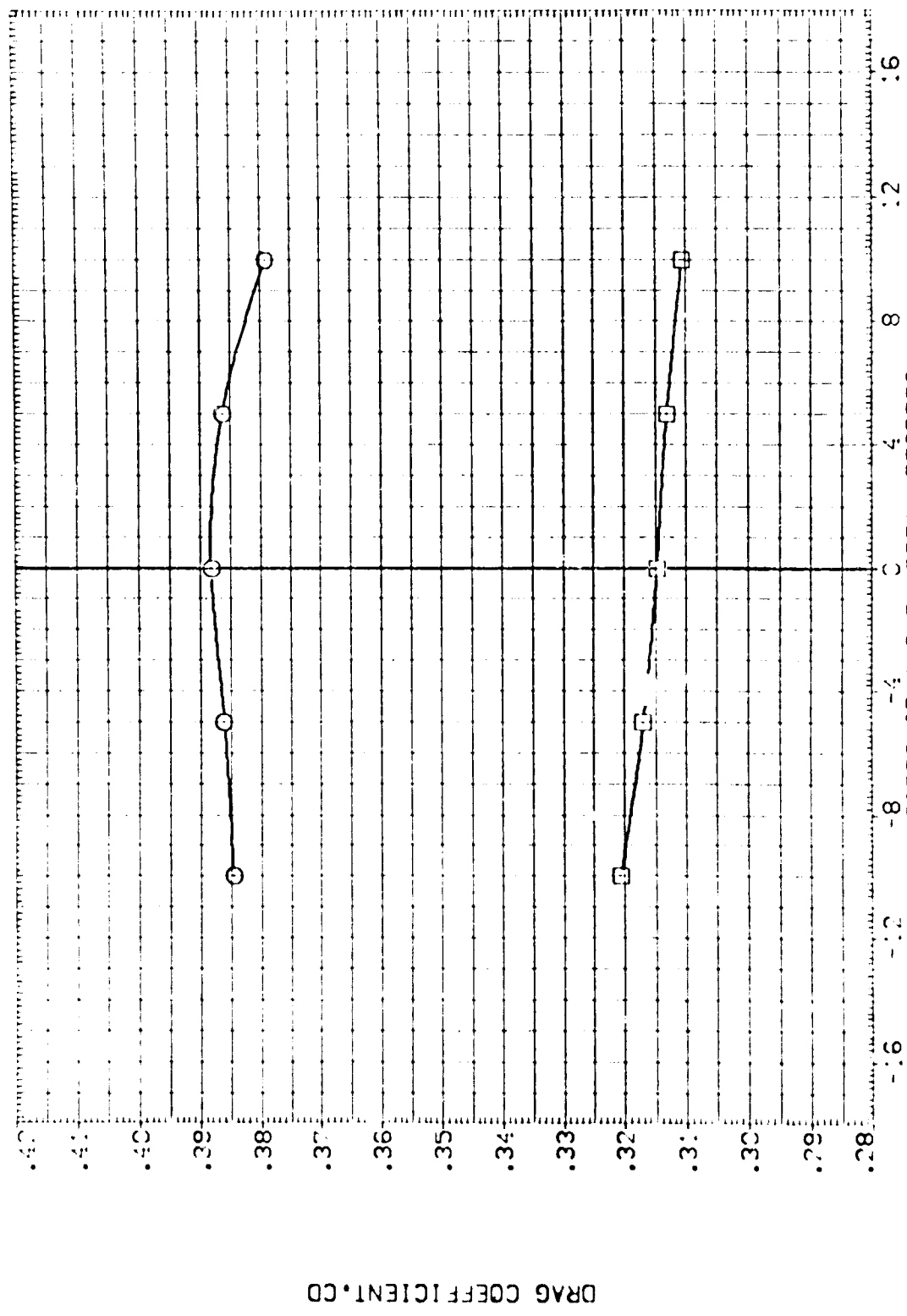


FIG. 6 B26 C9 F8 M7 N28 V8 R5 W116 E26, ALPHA = 20, RUDDER = -10

SCALE	REFERENCE INFORMATION	SG. ST.
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39	0000	39
40	0000	40
41	0000	41
42	0000	42
43	0000	43
44	0000	44
45	0000	45
46	0000	46
47	0000	47
48	0000	48
49	0000	49
50	0000	50
51	0000	51
52	0000	52
53	0000	53
54	0000	54
55	0000	55
56	0000	56
57	0000	57
58	0000	58
59	0000	59
60	0000	60
61	0000	61
62	0000	62
63	0000	63
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80	0000	80
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82	0000	82
83	0000	83
84	0000	84
85	0000	85
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95	0000	95
96	0000	96
97	0000	97
98	0000	98
99	0000	99
100	0000	100

[illegible]

```

326 C9 F8 V7 V28 V8 Z5 W1:6 E26 , ALPHA = 20 , RUGGER = -10
E1G. 6

```

AVES 97-016 0A22B 326 C9 F8 M7 N28 V8R5 W116 E26(1B4011)

MACH 1.550  
 2.700  
 REFERENCE INFORMATION  
 SREF 2.4210  
 LREF 38.7090  
 BREF 38.7090  
 XREF 25.5420  
 YREF 0.0000  
 ZREF 0.0000  
 SCALE 0.0000

PARAMETRIC VALUES  
 ALPHA 20.000  
 ELEV 0.000  
 RUDDER -10.000  
 SPDR 0.000

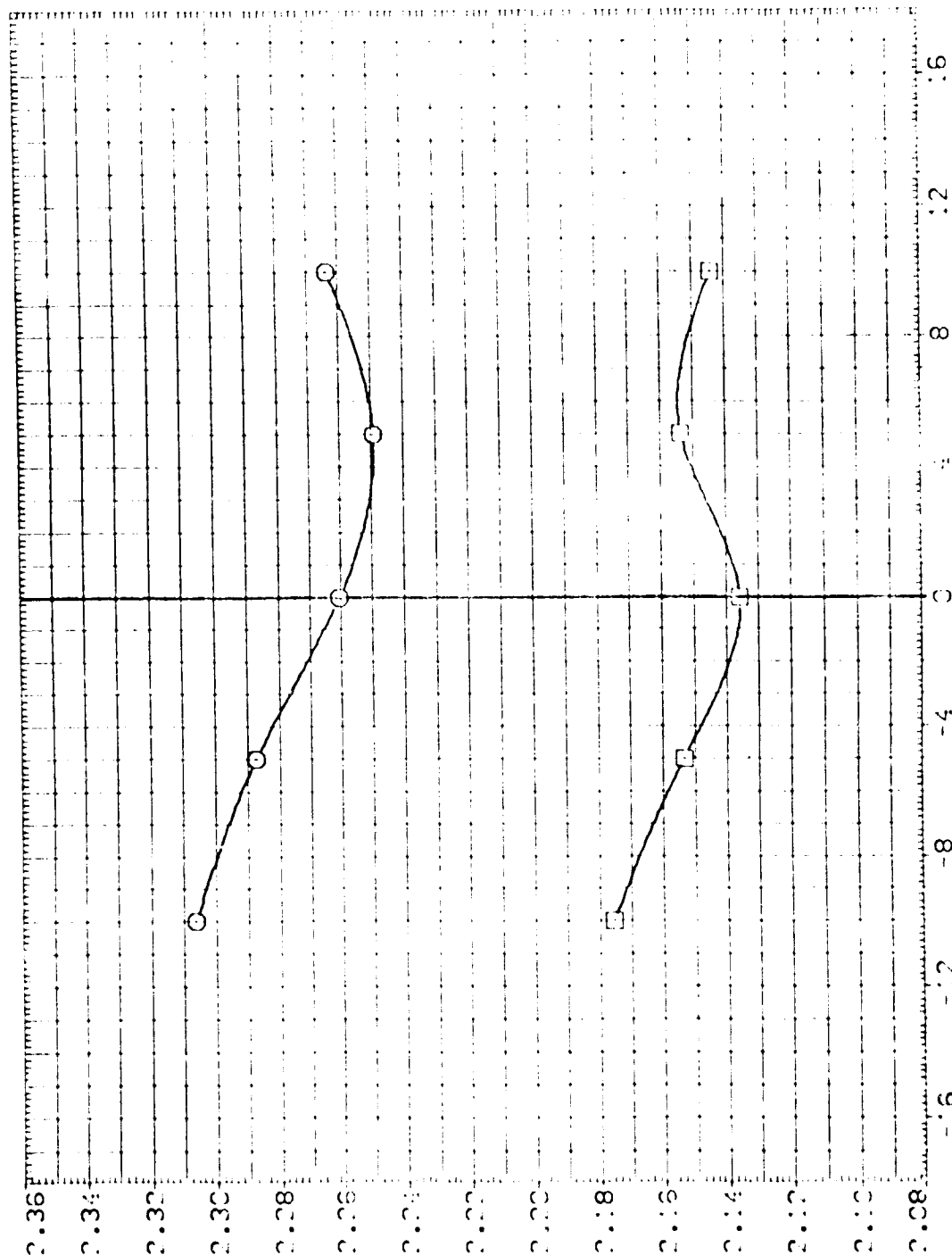


FIG. 6 326 C9 F8 M7 N28 V8 R5 W116 E26, ALPHA = 20, RUDDER = -10



AVES 97-7:6 CA223 B26 C9 F8 M7 N28 V8R5 W116 E26(1340:2)

SYMBOL

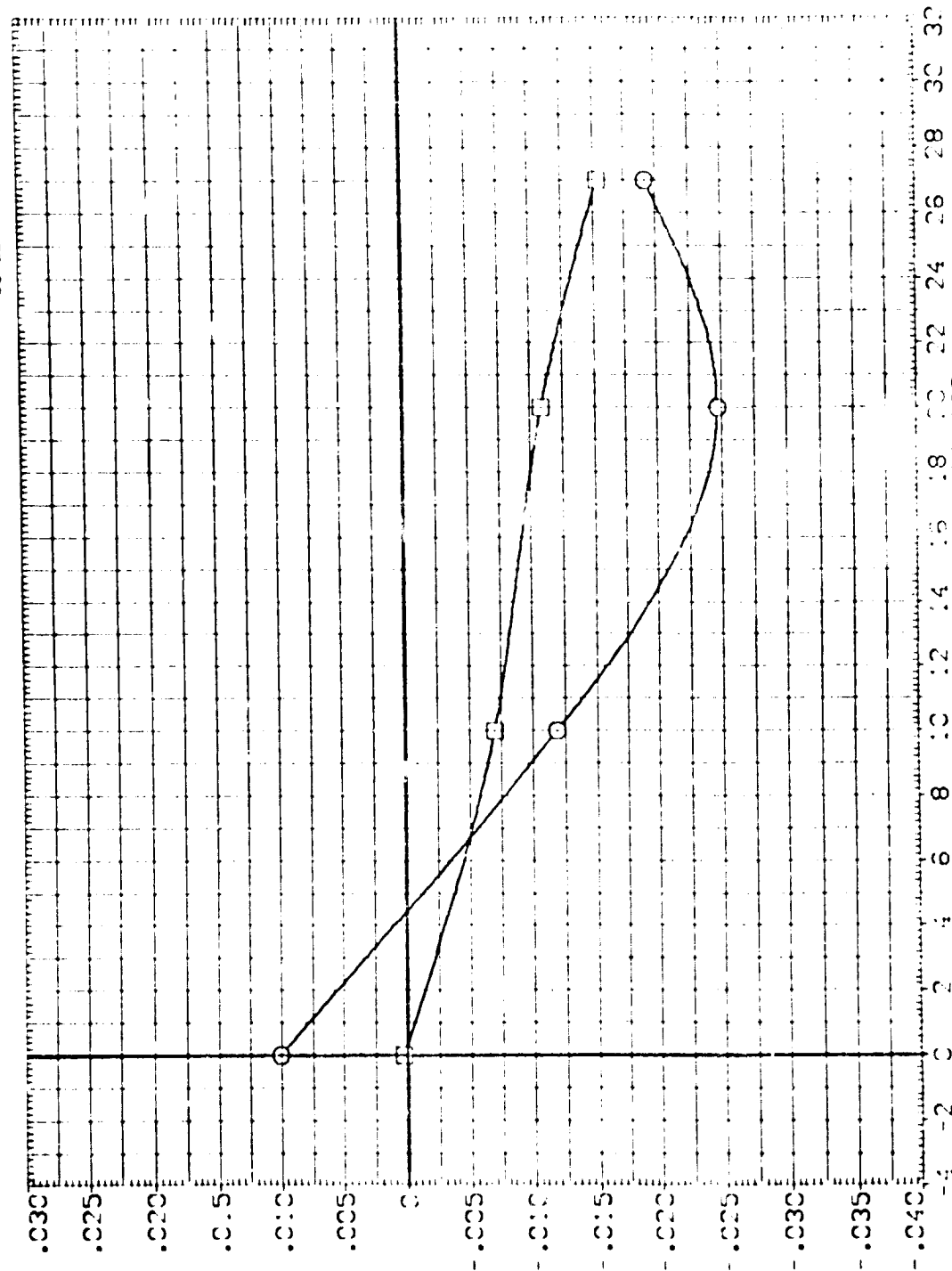
MACH  
1.550  
2.700

BETA  
RUDDER

PARAMETRIC VALUES  
.000 ELEVON  
.000 SPEEDBRAK

.000  
55.000

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
REF 38.7090 N.  
SREF 38.7090 N.  
VREF 25.5420 N.  
VREF .0000 N.  
VREF .0000 N.  
SCALE .0300



PITCHING MOMENT COEFFICIENT, C<sub>m</sub>

FIG. 7 B26 C9 F8 M7 N28 V8 R5 W116 E26, BETA = 0, SPEED BRAKE = 55

AMES 07-716 0A223 B26 C9 F8 M7 N28 V8R5 W116 E26(154012)

SYMBOL	MACH	BETA	PARAMETRIC VALUES	REFERENCE INFORMATION
○	1.550	0.000	ELEVON .000	SREF 2.4210 SQ.FT.
□	2.200	0.000	SPDRK 55.000	REF 38.7080
				REF 38.7080
				XMRP 25.5420
				YMRP .0000
				ZMRP .0000
				SCALE .0300

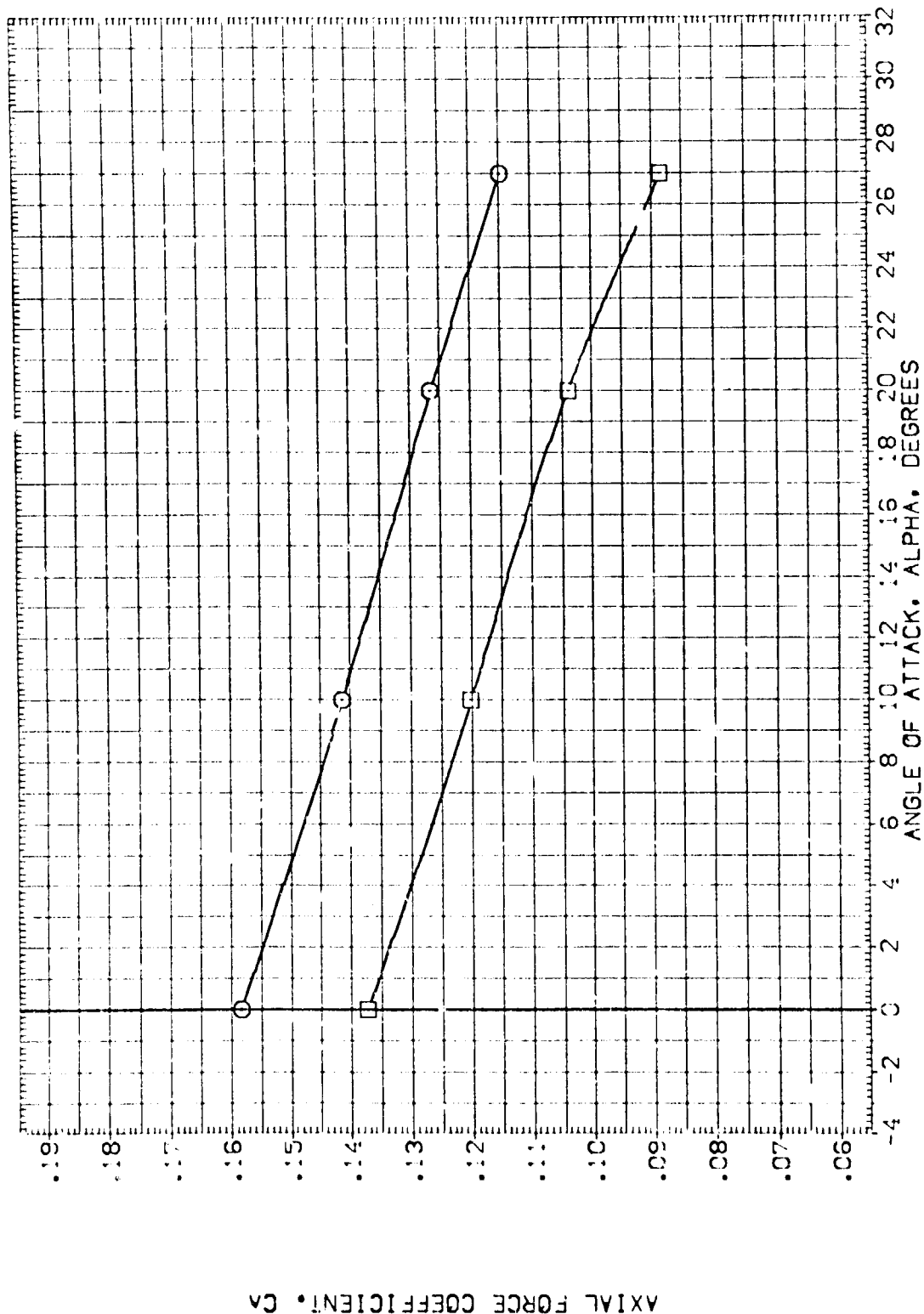


FIG. 7 B26 C9 F8 M7 N28 V8 R5 W116 E26 , BETA = 0 , SPEED BRAKE = 55



AMES 97-716 CA228 B26 C9 F8 M7 N28 V8R5 W116 E26(194012)

SYMBOL MACH BETA RUDDER  
 1.550  
 2.200

PARAMETRIC VALUES  
 .000 ELEVON .000  
 .000 SPOBRK 55.000

REFERENCE INFORMATION  
 SPREF 2.4210 SQ.FT.  
 LREF 38.7590  
 BRREF 38.7090  
 XMRP 25.5420  
 YMRP .0000  
 ZMRP .0000  
 SCALE .0300

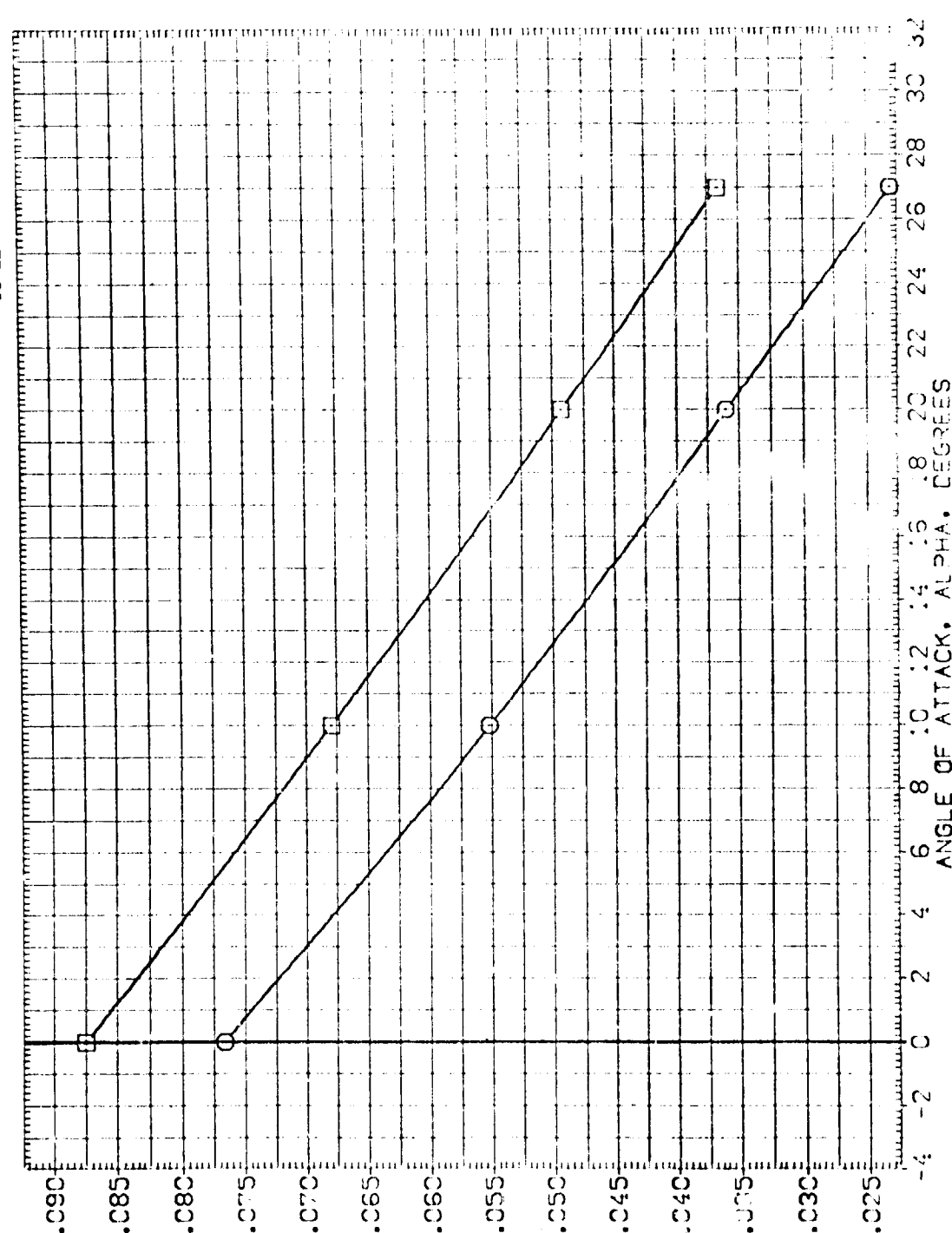


FIG. 7 B26 C9 F8 M7 N28 V8 R5 W116 E26 , BETA = 0 , SPEED BRAKE = 55

AVES 97-7.6 CA223 326 C9 F8 M7 N28 V8R5 W116 E26(134012)

SYMBOL  
○  
□

MACH  
1.550  
2.200

BETA  
RUDDER

PARAMETRIC VALUES  
.000 ELEVON  
.000 SPO39K  
55.000

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
REF 38.7090  
BREF 38.7090  
VREF 25.5420  
XREF .0000  
YREF .0000  
ZREF .0300  
SCALE

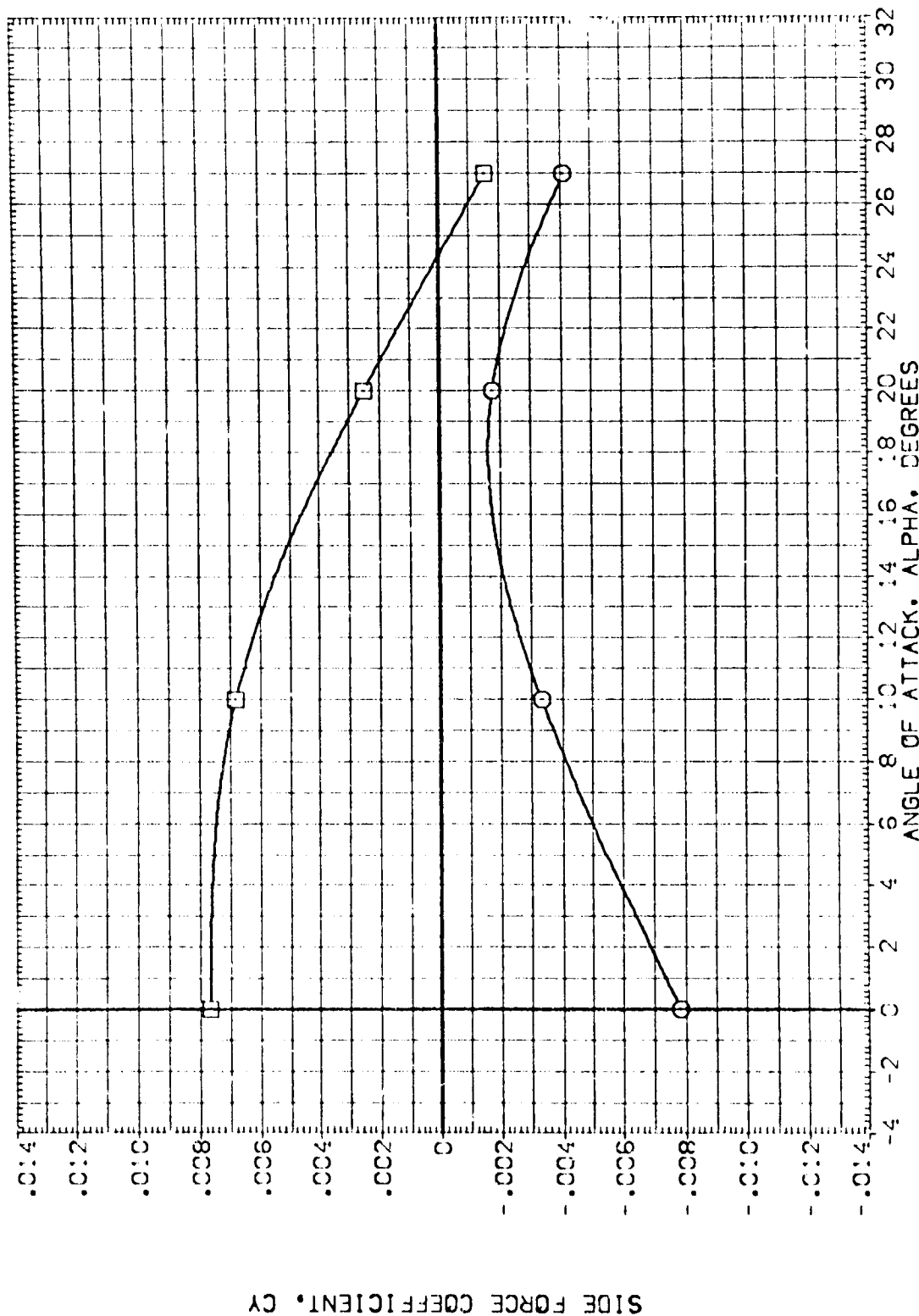


FIG. 7 B26 C9 F8 M7 N28 V8 R5 W116 E26, BETA = 0, SPEED BRAKE = 55

AVES 97-7:6 CA22B 326 C9 F8 M7 N28 V8R5 W116 E26(1B4012)

SYMBOL  
○  
□

MACH 1.550  
2.200  
BETA .000  
ELEVON .000  
SPDRK 55.000  
PDRR

REFERENCE INFORMATION  
SREF 2.4210 50.FT.  
LREF 38.7090 IN.  
BREF 38.7090 IN.  
XREF 25.5420 IN.  
YREF .0000 IN.  
ZREF .0000 IN.  
SCALE .0300

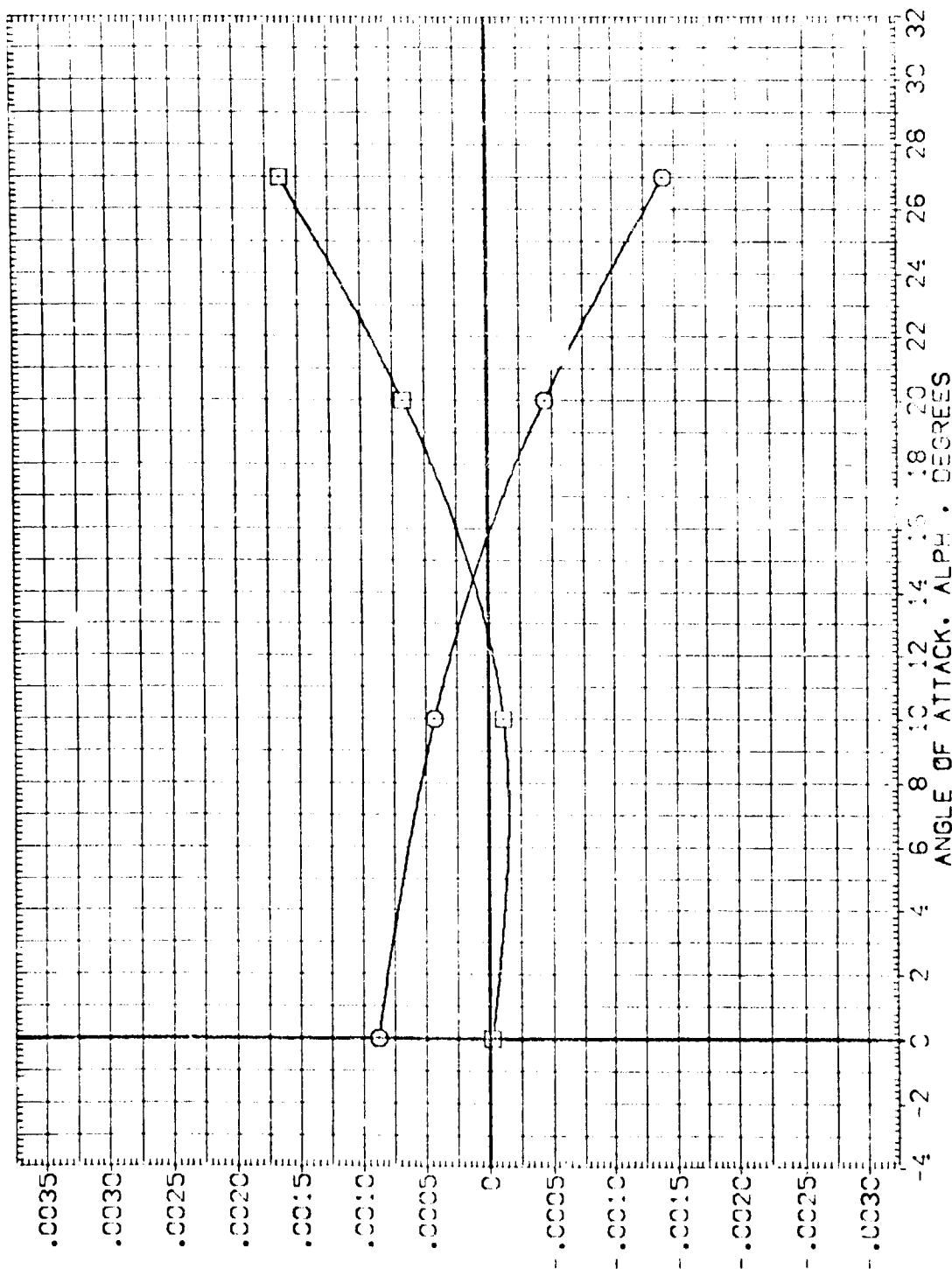


FIG. 7 326 C9 F8 M7 N28 V8 R5 W116 E26 • BETA = 0 • SPEED BRAKE = 55

AVES 97-7:6 CA223 B26 C9 F8 M7 N28 V8R5 W116 E26(1840:2)

SYMBOL	MACH	BETA	PARAMETRIC VALUES	REFERENCE INFORMATION
O	1.550	0.000	ELEVON .000	SREF 2.4210
	2.700	0.000	SPEED 55.000	LRP 38.7090
				SRP 38.7090
				XVRP 25.5420
				YVRP .0000
				ZVRP .0000
				SCALE .0300

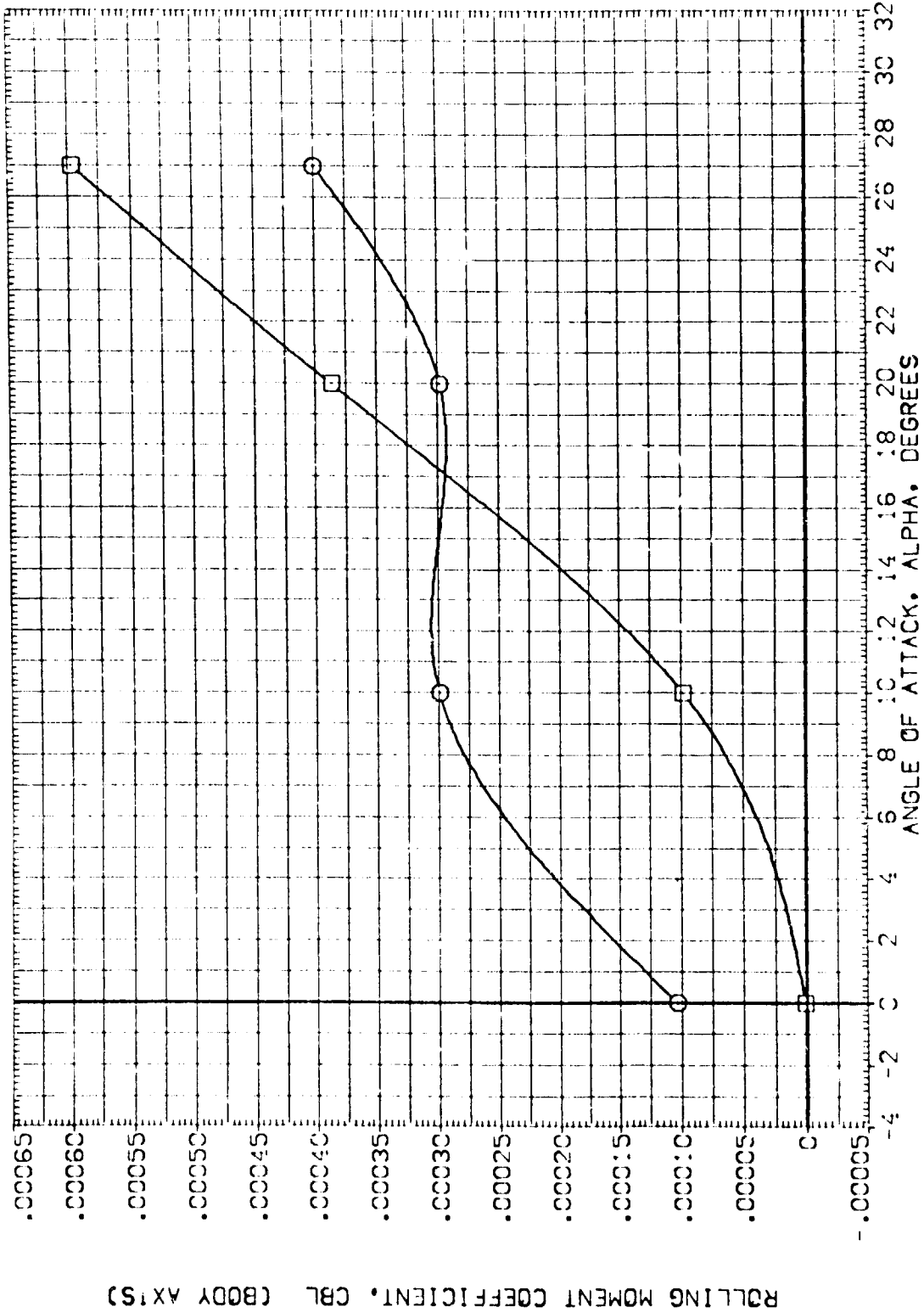


FIG. 7 B26 C9 F8 M7 N28 V8 R5 W116 E26 , BETA = 0 , SPEED BRAKE = 55

AMES 97-716 0A22B B26 C9 F8 M7 N28 V8R5 W116 E26(1B4012)

SYMBOL	MACH	BETA	PARAMETRIC VALUES	REFERENCE INFORMATION
○	1.550	RUDDER	.000 ELEVON .000	SREF 2.4210 SQ.FT.
□	2.200		.000 SPEEDK 55.000	LREF 38.70N IN.
				BREF 38.70N IN.
				VMR2 25.5430 IN.
				VMR3 .0000 IN.
				VMR4 .0000 IN.
				VMR5 .0000 IN.
				SCALE .0300

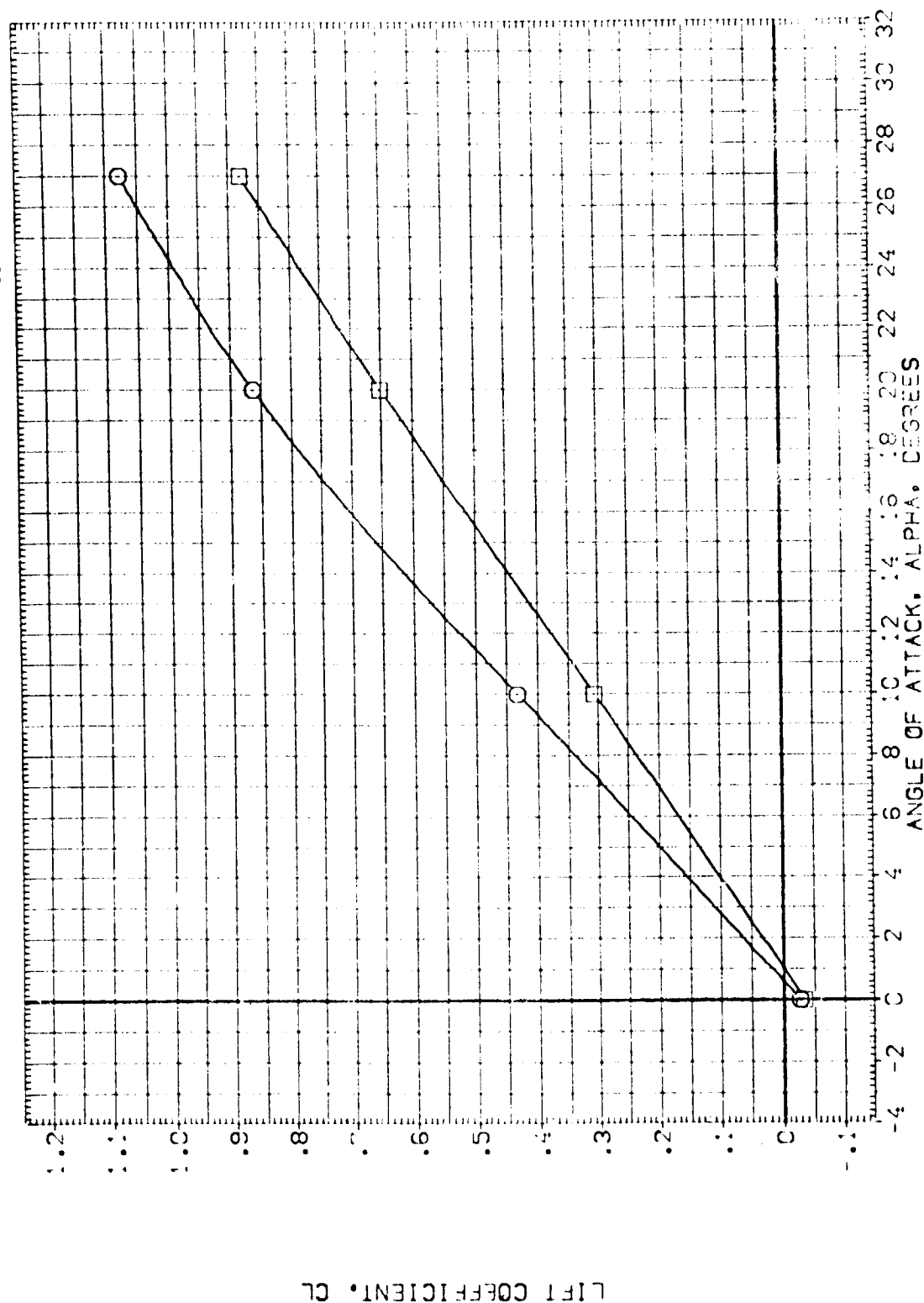


FIG. 7 B26 C9 F8 M7 N28 V8 R5 W116 E26 • BETA = 0 • SPEED BRAKE = 55



AVES 97-716 CA22B 326 C9 F8 M7 N28 V8R5 W116 E26 (1B4012)

SYMBOL		MACH		BETA		PARAMETRIC VALUES		REFERENCE INFORMATION	
O	1.550	2.700	RODOR	.000	ELEVON	.000	55.000	SREF	2.4210
								LREF	38.7090
								BREF	38.7090
								YREF	25.5420
								YREF	.0000
								YREF	.0000
								SCALE	.0300

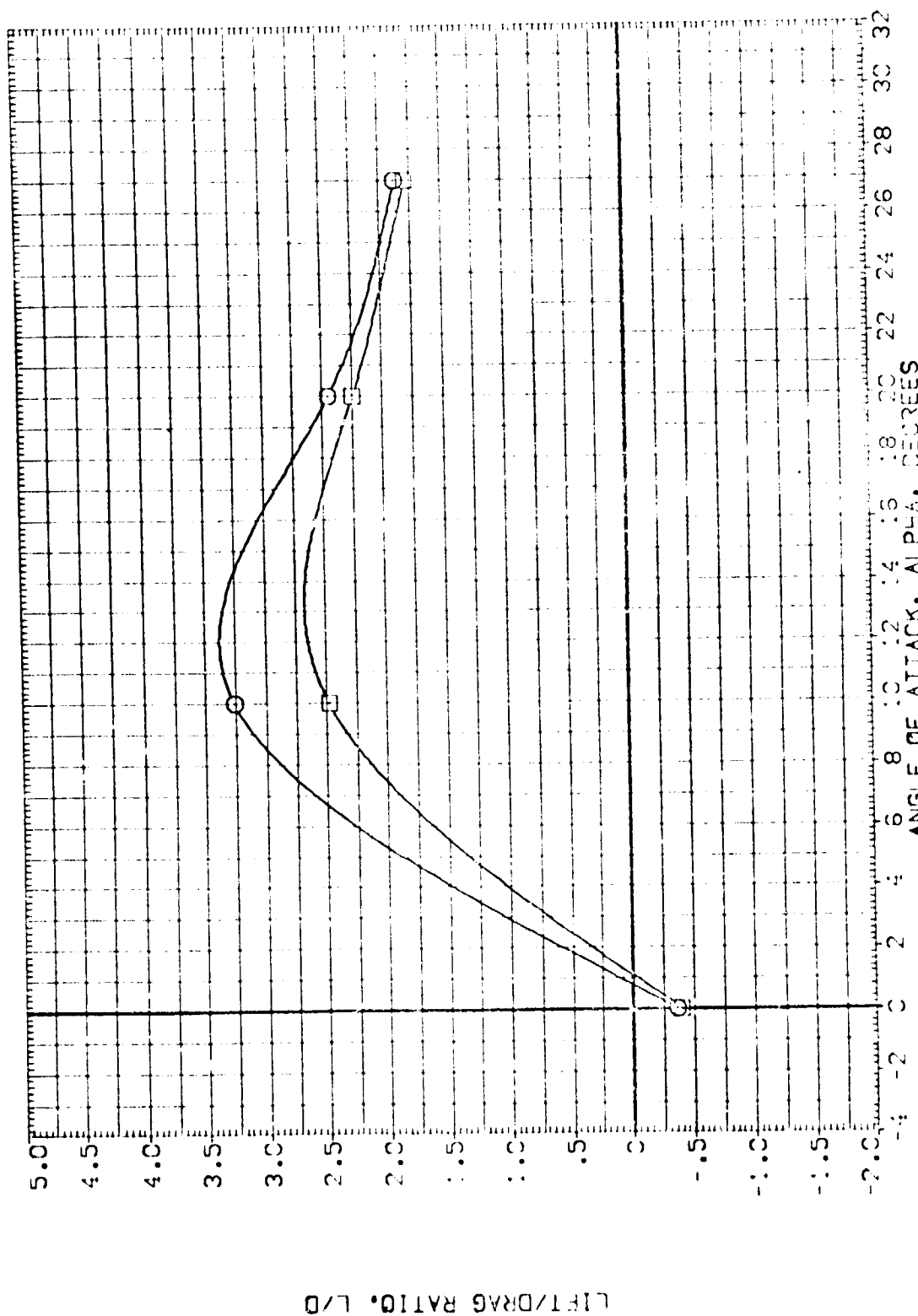
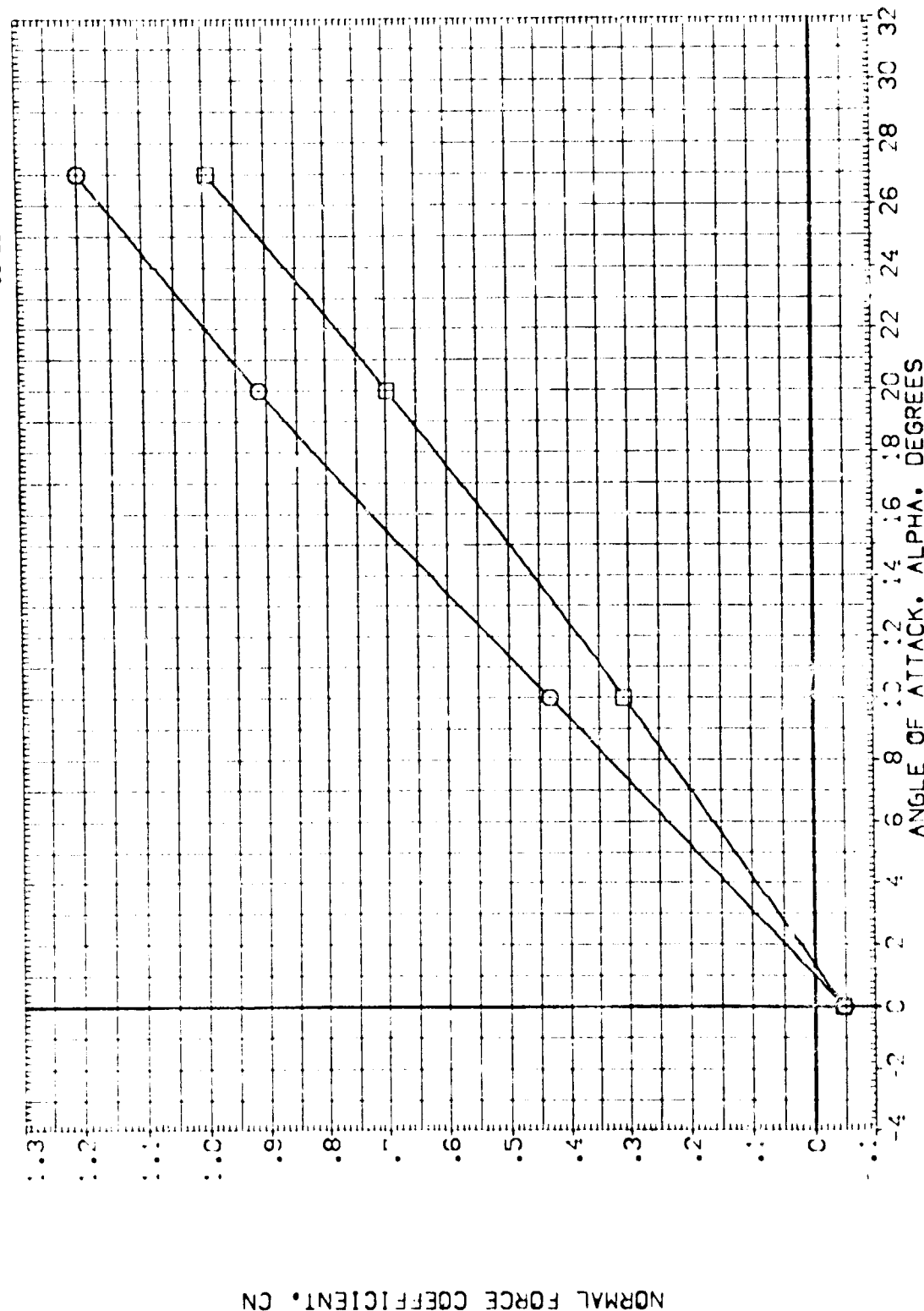


FIG. 7 B26 C9 F8 M7 N28 V8 R5 W116 E26, BETA = 0, SPEED BRAKE = 55

[illegible]

PARAMETRIC VALUES	
1.550	BETA
1.000	ROVER
1.000	SPC300
85.000	

5498 ( )



326 C9 F8 W7 N28 V8 R5 W116 E26 , BETA = 0 , SPEED BRAKE = 85  
E19. 8



AMES 97-716 0A223 B26 C9 F8 M7 N28 V8R5 W116 E26(1B4013)

SYMBOL

MACH  
1.50  
2.200

BETA  
RUDDER

PARAMETRIC VALUES  
.000 ELEVON  
.000 SPOILER

.000  
85.000

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
LREF 38.7090 IN.  
BREF 38.7090 IN.  
XREF 25.5420 IN.  
YREF .0000 IN.  
ZREF .0000 IN.  
SCALE .0300

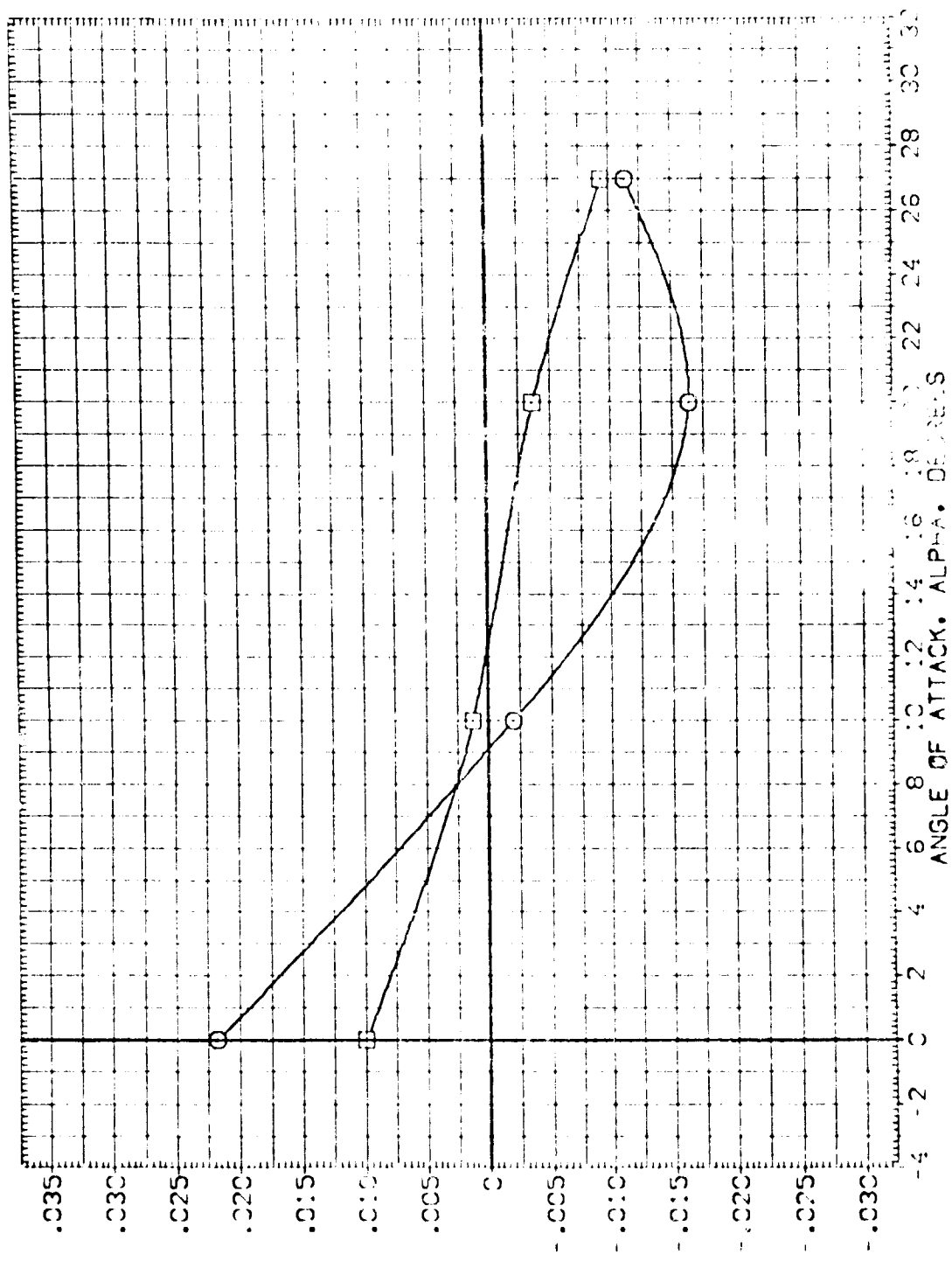


FIG. 8 B26 C9 F8 M7 N28 V8 R5 W116 E26 • BETA = 0 • SPEED BRAKE = 85

SPR	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100
REF	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100
SCALE	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100

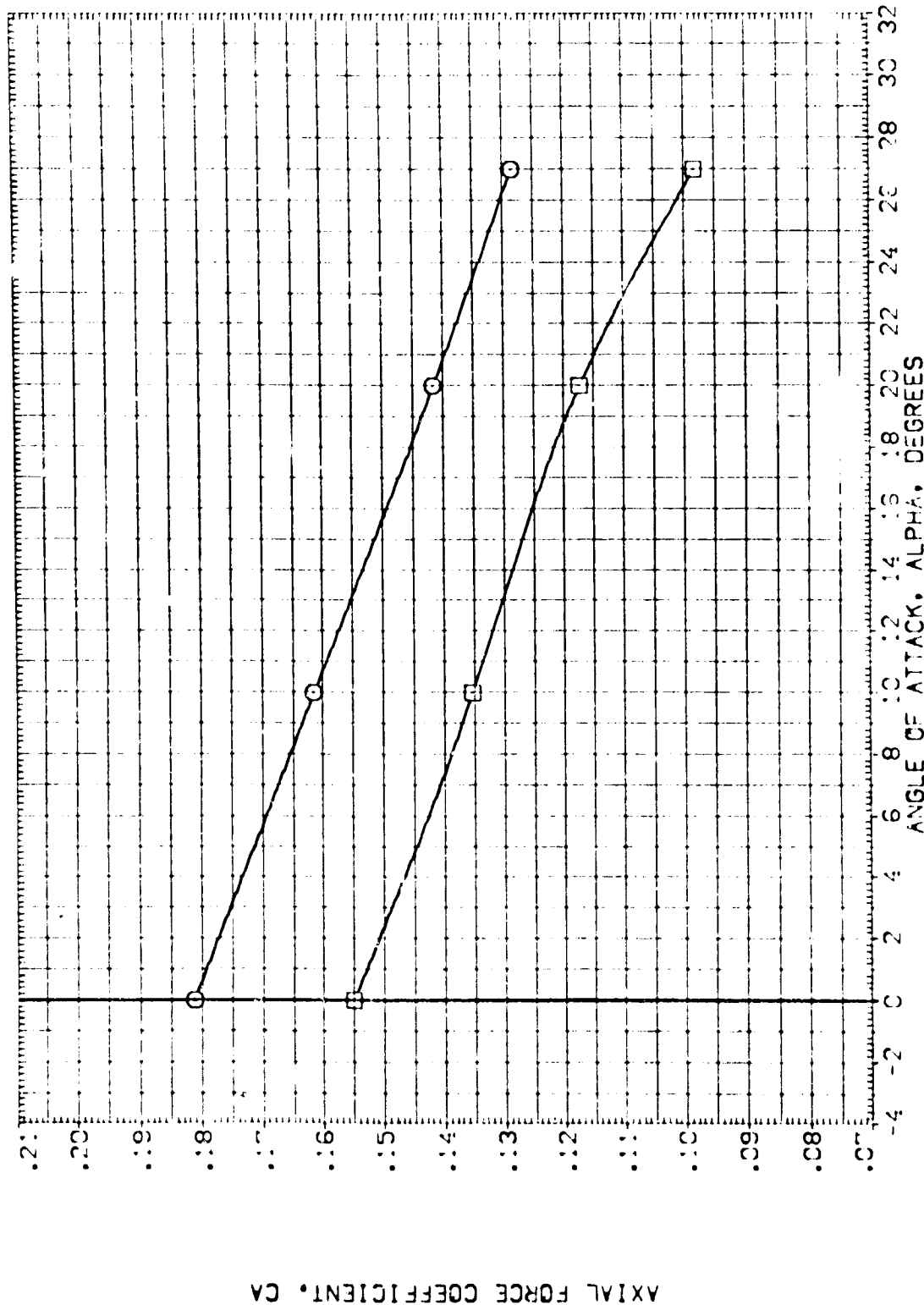


FIG. 8 R26 C9 F8 W7 N28 V8 R5 W116 E26 , BETA = 0 , SPEED BRAKE = 85

AVES 97-016 CA228 326 C9 F8 W7 N28 V8R5 W116 E26(194013)

SYMBOL

WACH  
1.550  
2.000

PARAMETRIC VALUES  
BETA  
ELEVON  
SPDRM  
85.000

0.00  
0.00

REFERENCE INFORMATION  
SREF 2.4210  
REF 38.0090  
BREF 38.0090  
VREF 25.0000  
VREF 25.0000  
SCALE 1.0000

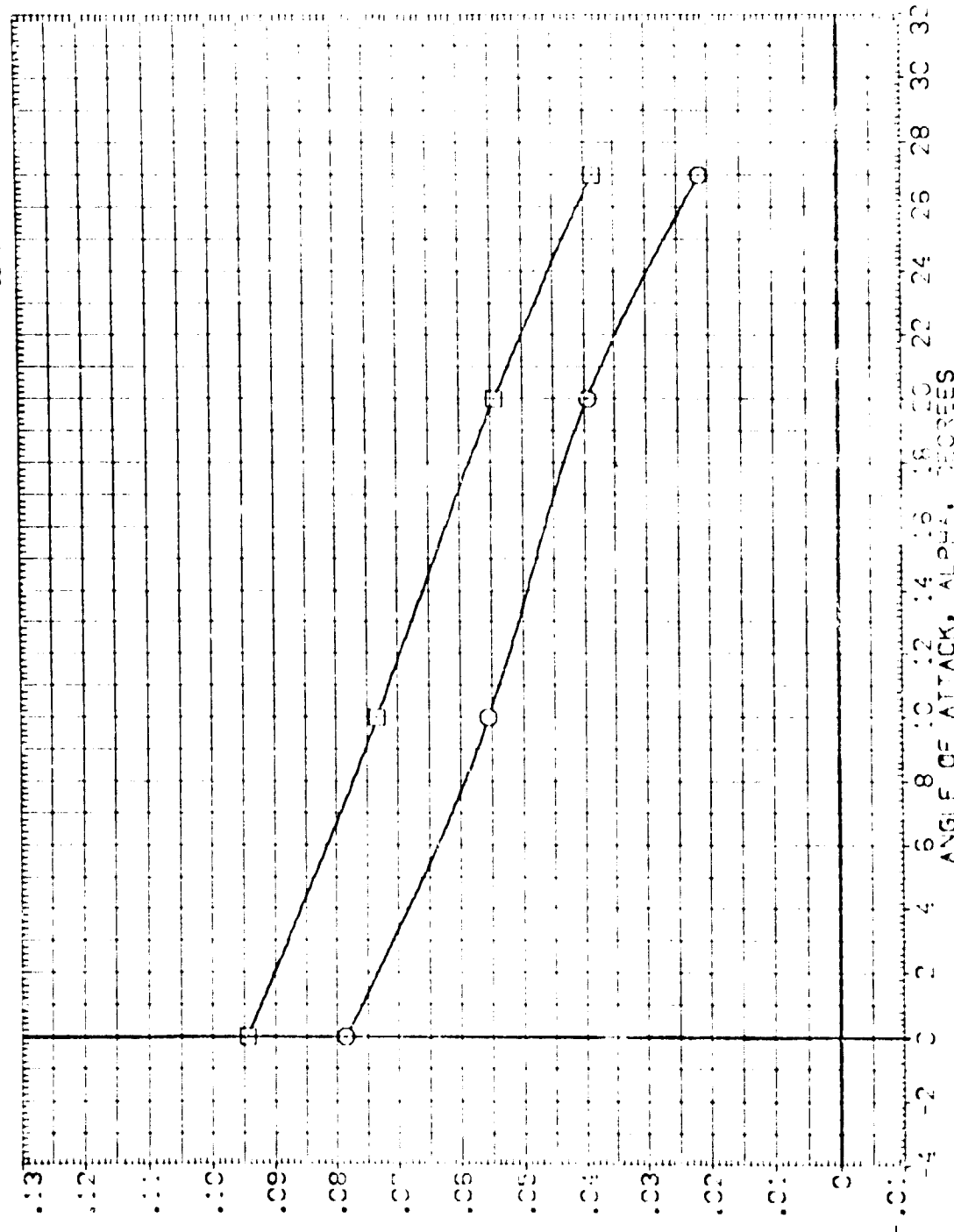


FIG. 8 326 C9 F8 W7 N28 V8 R5 W116 E26 • BETA = 0 • SPEED BRAKE = 85

AMES 901116 04223 326 09 18 028 .825 W116 E26(134013)

REFERENCE INFORMATION  
 SPEC 2.4210 SQ. FT.  
 REF 38.7280  
 BASE 38.7280  
 W116 25.5120  
 W28 0.0000  
 W30 0.0000  
 SCALE 0.0000

WIND BETA 0.000  
 ELEVATION 0.000  
 SPEED 85.000

SYMBOL  
 ( )

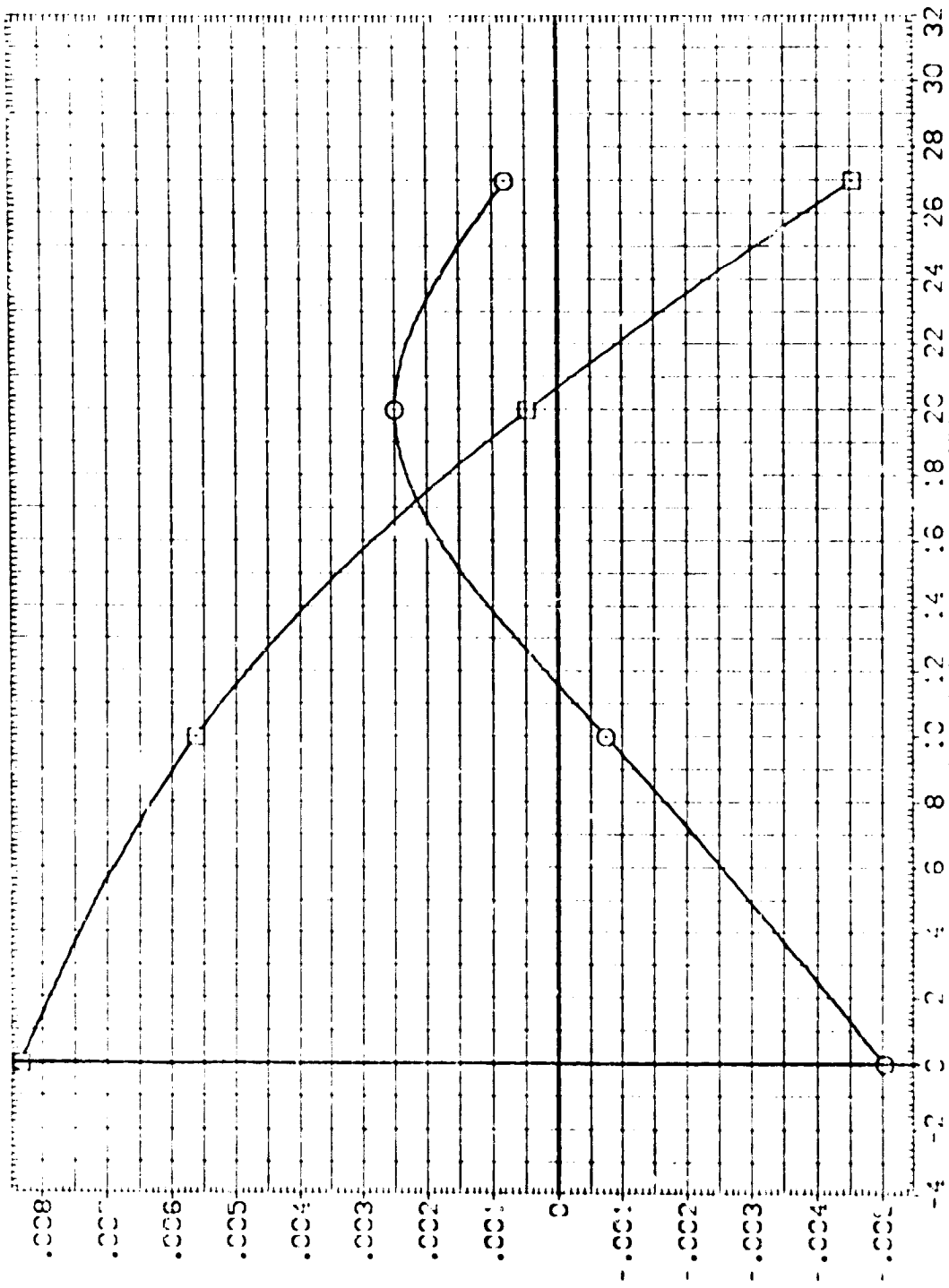


FIG. 8 326 09 18 028 W116 E26 . BETA = 0 . SPEED BRAKE = 85

AVES 97-116 01223 326 09 F8 W7 N28 V825 W116 E26(134013)

SYMB: MACH 1.550 BETA .000 ELEVATION .000  
 21000 RUDER .000 SPEED 85.000

REFERENCE FORMATION  
 SREF 2.4210 SQ.FT.  
 LREF 30.000  
 BREF 38.000  
 XREF 25.5420  
 YREF .0000  
 ZREF .0000  
 SCALE .0000

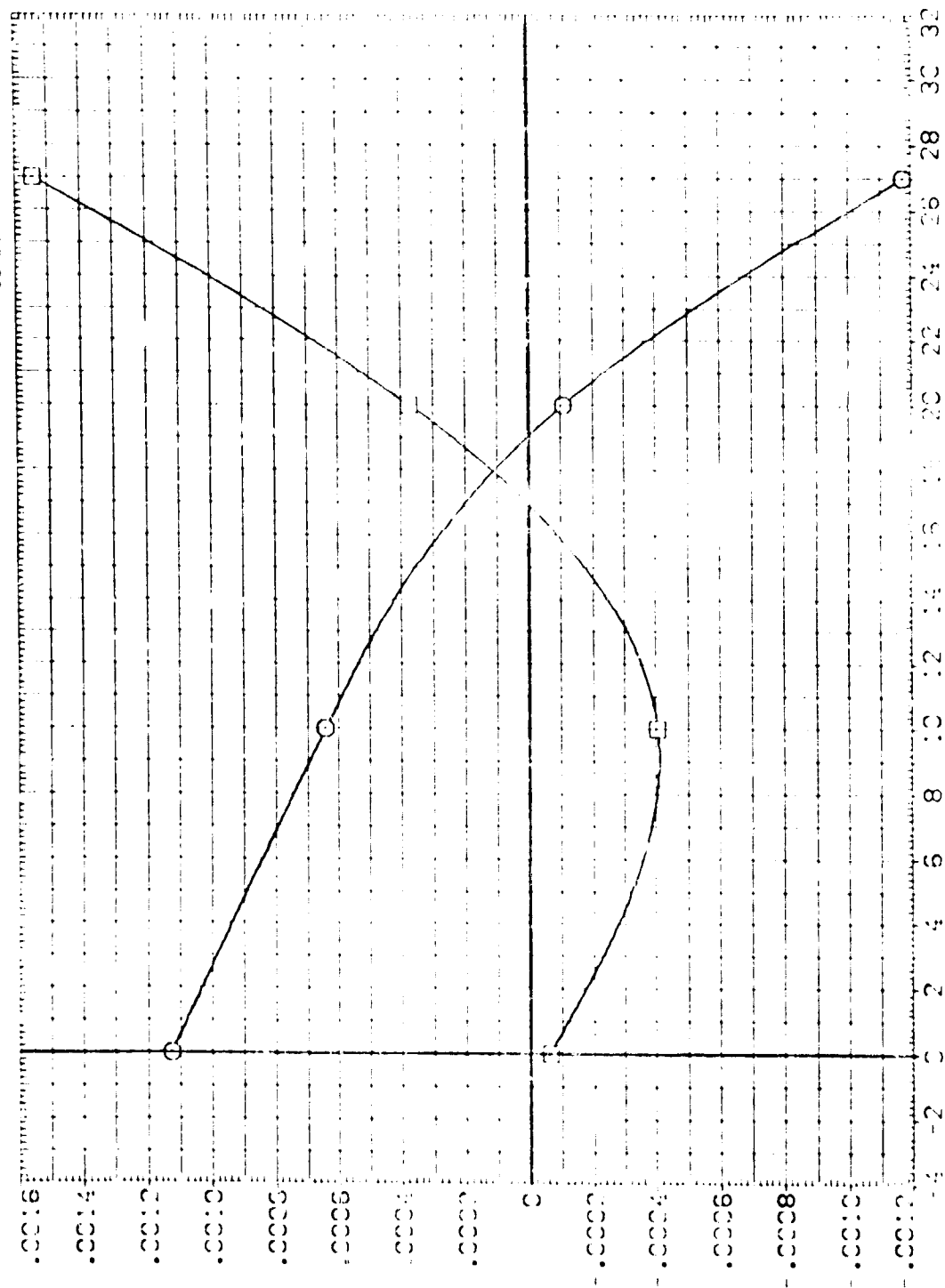


FIG. 8 375 09 F8 W7 N28 V825 W116 E26 • BETA = 0 • SPEED BRAKE = 85

7-2

W116 826 09 F8 M7 N28 V8 R5 W116 E26 (134013)

S. 300 1.550 2.000 3.000 4.000 5.000 6.000 7.000 8.000 9.000 10.000 11.000 12.000 13.000 14.000 15.000 16.000 17.000 18.000 19.000 20.000 21.000 22.000 23.000 24.000 25.000 26.000 27.000 28.000 29.000 30.000 31.000 32.000 33.000 34.000 35.000 36.000 37.000 38.000 39.000 40.000 41.000 42.000 43.000 44.000 45.000 46.000 47.000 48.000 49.000 50.000 51.000 52.000 53.000 54.000 55.000 56.000 57.000 58.000 59.000 60.000 61.000 62.000 63.000 64.000 65.000 66.000 67.000 68.000 69.000 70.000 71.000 72.000 73.000 74.000 75.000 76.000 77.000 78.000 79.000 80.000 81.000 82.000 83.000 84.000 85.000 86.000 87.000 88.000 89.000 90.000 91.000 92.000 93.000 94.000 95.000 96.000 97.000 98.000 99.000 100.000

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
LREF 38.7090  
BREF 38.7090  
VREF 25.5420  
WREF 1.0000  
RREF 1.0000  
SCALE 1.0000

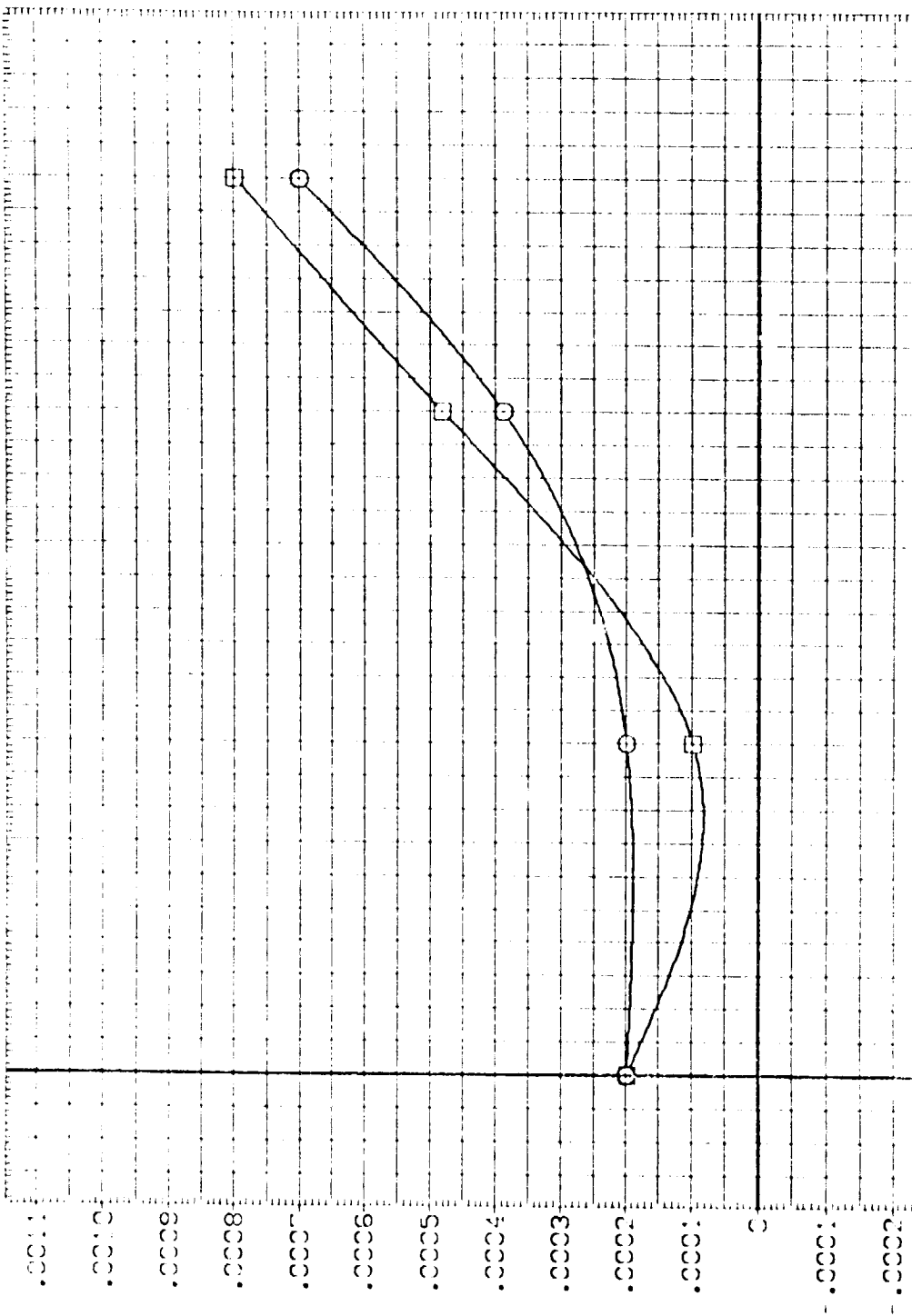


FIG. 8 826 09 F8 M7 N28 V8 R5 W116 E26 • BETA = 0 • SPEED BRAKE = 85

AMES 97-7:6 CA223 B26 C9 F8 M7 N28 R85 W16 E26 (134013)

SYMBOL

MACH

BETA

RUDDER

PARAMETRIC VALUES

.000 .000 .000

ELEVON

SP039M

.000

85.000

REFERENCE INFORMATION

50. FT.

2.4210

38.7090

38.7090

25.5400

.0000

.0000

.0300

SCALE

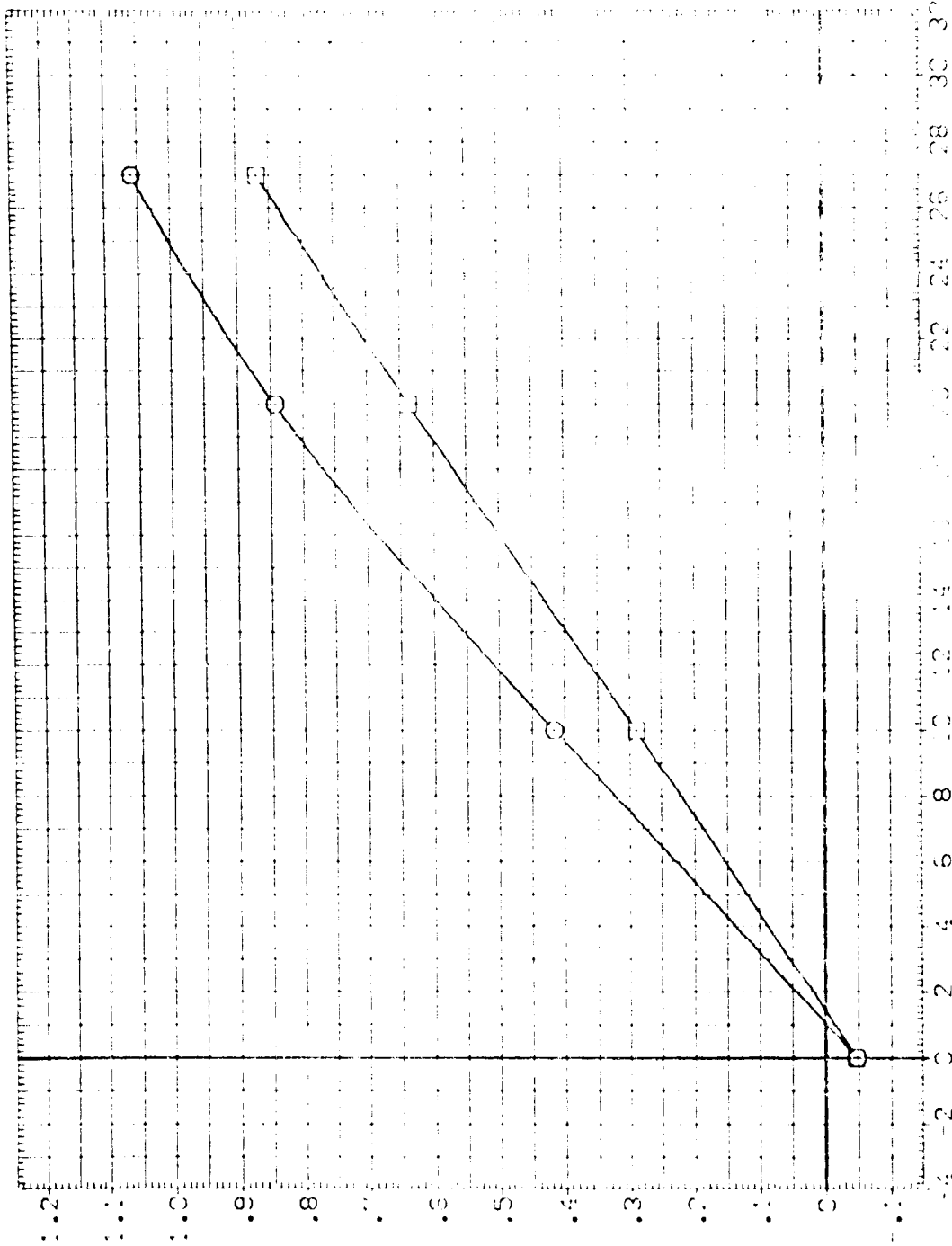


FIG. 8 B26 C9 F8 M7 N28 R85 W16 E26, BETA = 0, SPEED BRAKE = 80

134013

48

WING 80-116 0A203 326 09 F8 W116 08 1835 W116 E2601340131

REFERENCE INFORMATION  
 SREF 2.4210  
 SCALE 38.1090  
 BREF 38.1090  
 XREF 75.5420  
 YREF .0000  
 ZREF .0000  
 SCALE .0300

PARAMETRIC VALUES  
 BETA .000  
 ELE .000  
 SPO3 85.000

WING 80-116

WING 80-116

WING 80-116

WING 80-116

WING 80-116

WING 80-116

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WING 80-116

WING 80-116

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WING 80-116

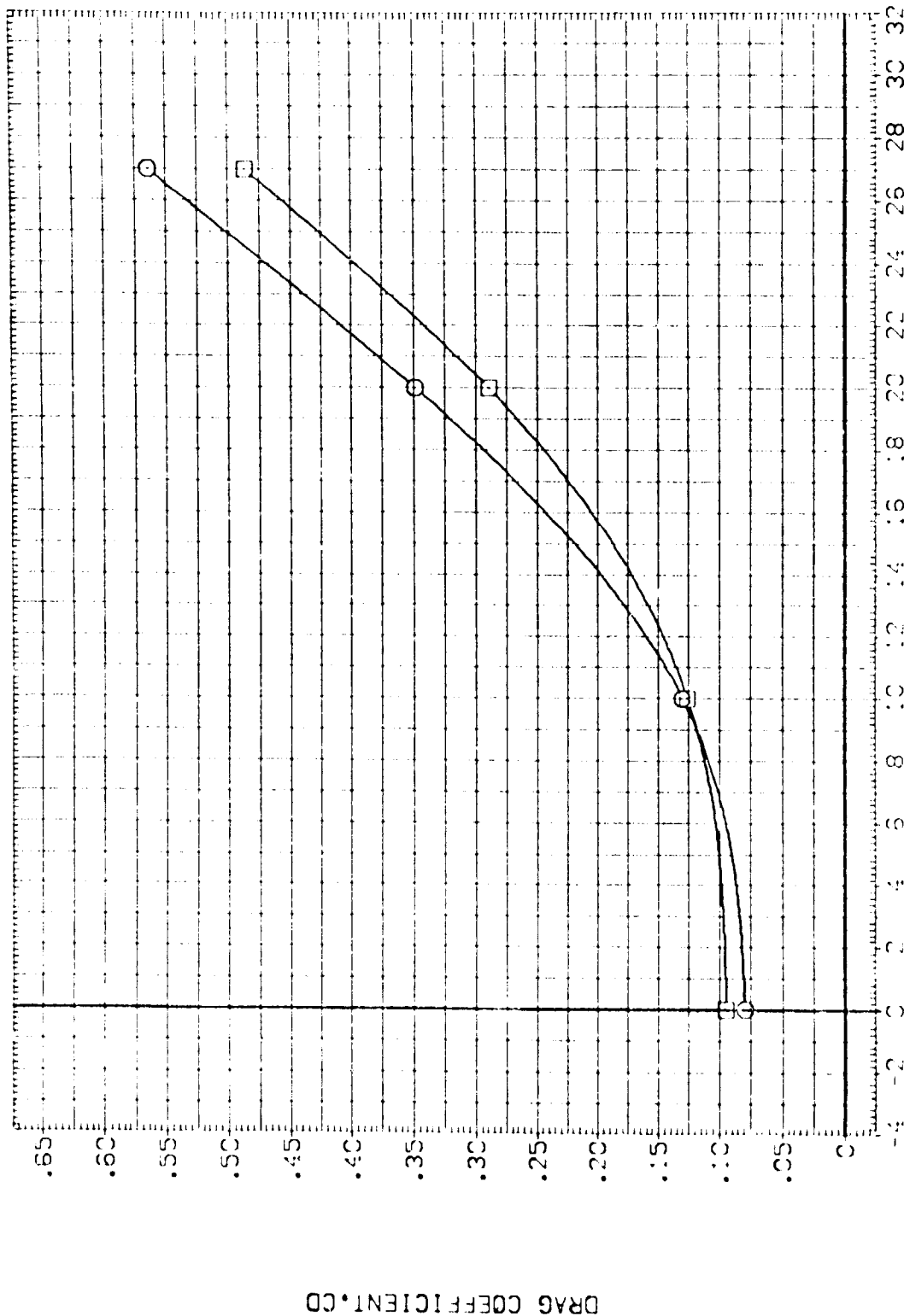


FIG. 8 326 09 F8 W116 08 1835 W116 E2601340131, SPEED BRAKE = 85



AMES 97-7:6 CA223 B26 C9 F8 M7 N28 V8R5 W:16 E26(1B4013)

SYMBOL

MACH

1.950  
2.200

BETA  
RUDDER

PARAMETRIC VALUES

.000 .000 .000  
.000 .000 .000  
SPDRM 85.000

REFERENCE INFORMATION

2.4210  
38.7090  
38.7090  
25.5420  
.0000  
.0000  
.0000  
SCALE

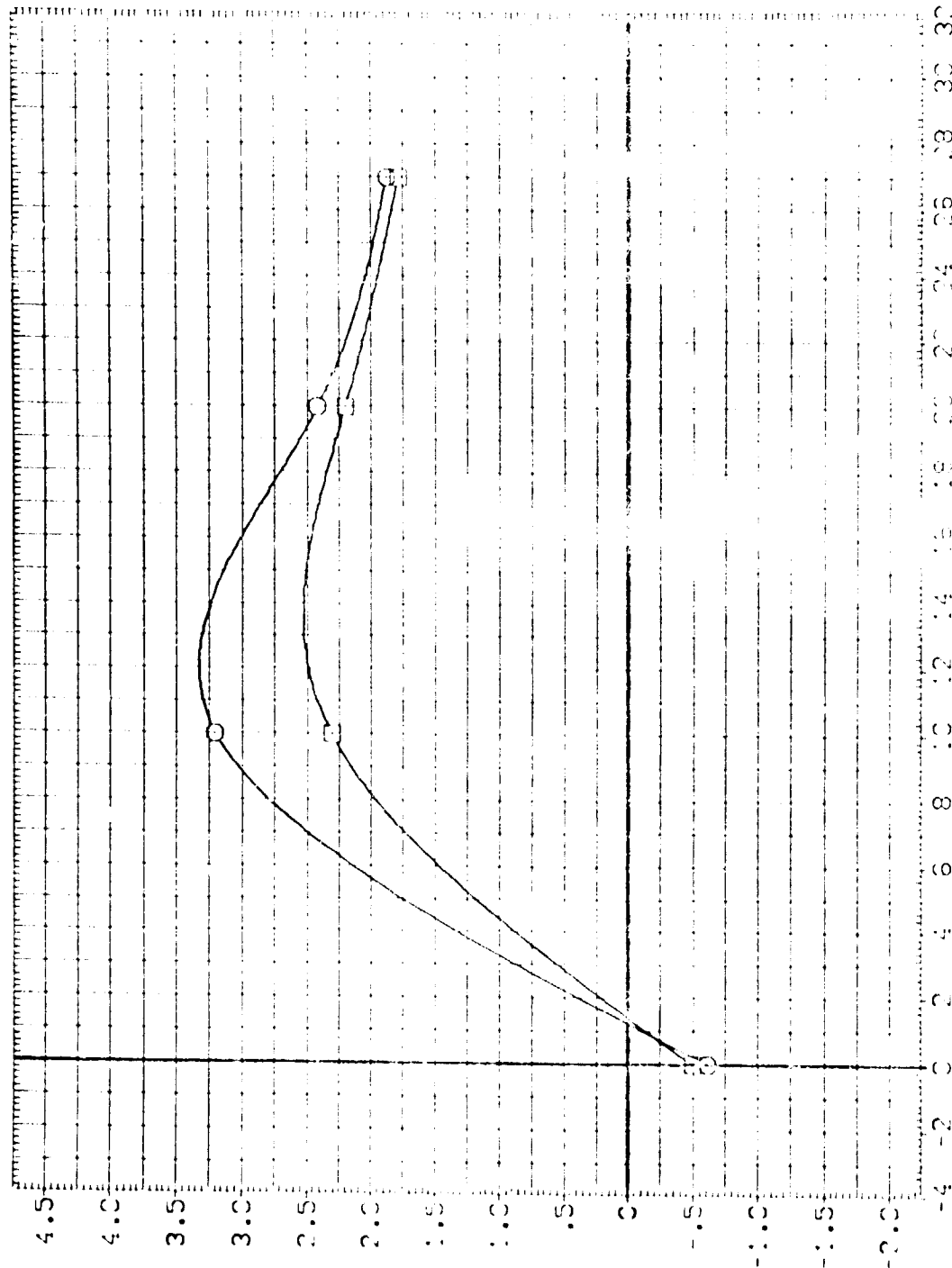


FIG. 8 326 C9 F8 M7 N28 V8R5 W:16 E26, BETA = 0, SPEED BRAKE = 85

AVES 97-016 04023 325 09 48 W N28 W85 W116 E26 (13/014)

REFERENCE INFORMATION  
 SPEC 2.4210  
 ORF 36.7090  
 BRIF 38.7090  
 W28 75.5000  
 W85 10.0000  
 W116 10.0000  
 W26 10.0000  
 SCALE 10.0000

PARAMETRIC VALUES  
 W116 10.0000  
 W85 10.0000  
 W28 10.0000  
 W26 10.0000

W116 10.0000  
 W85 10.0000  
 W28 10.0000  
 W26 10.0000

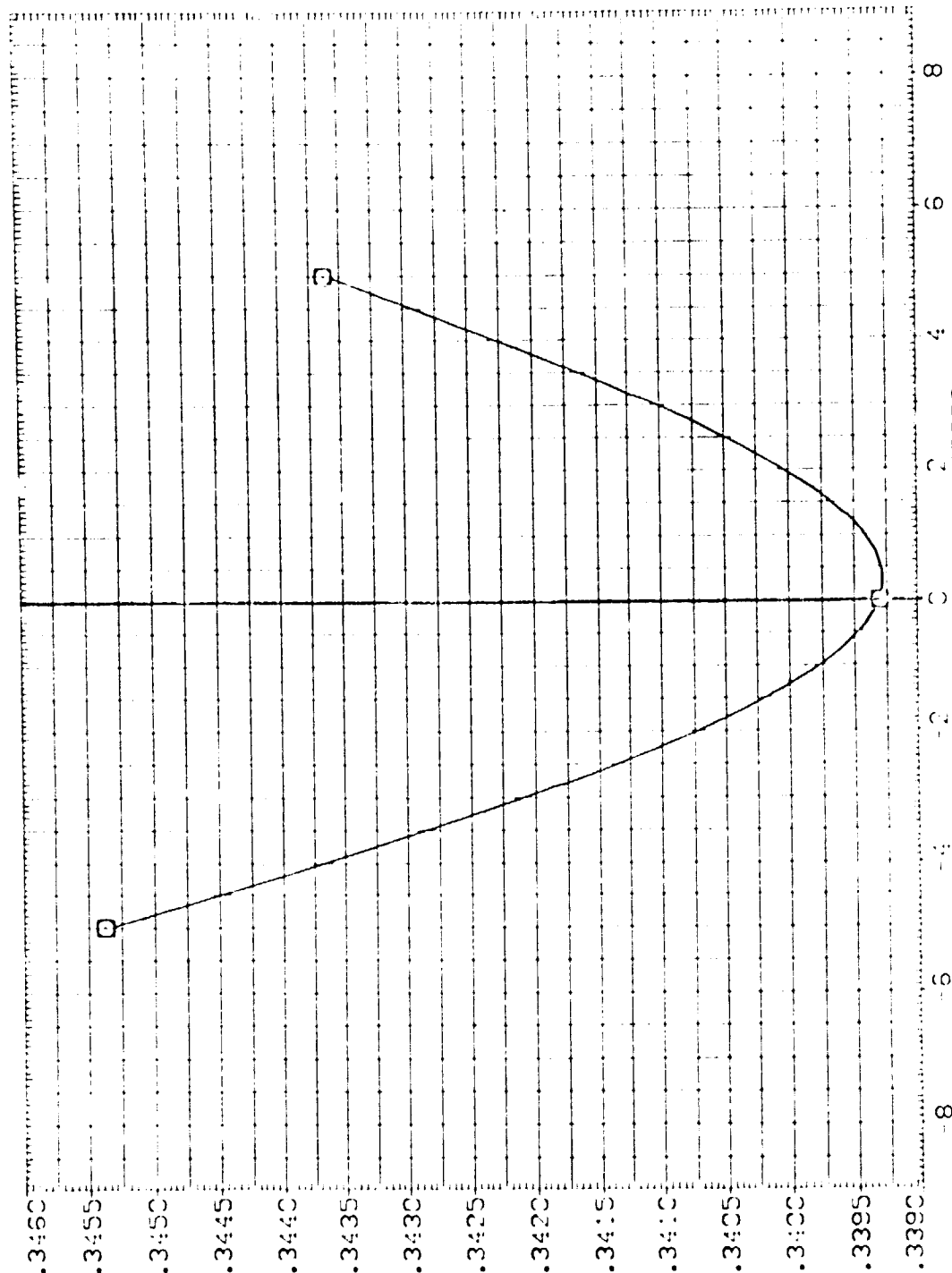


FIG. 9 325 09 48 W N28 W85 W116 E26, ALPHA = 10









AMES 97-016 04223 326 09 F8 WT 128 1825 1116 E2601340140

SYMBOL

MACH

ALPHA

PARAMETRIC VALUES

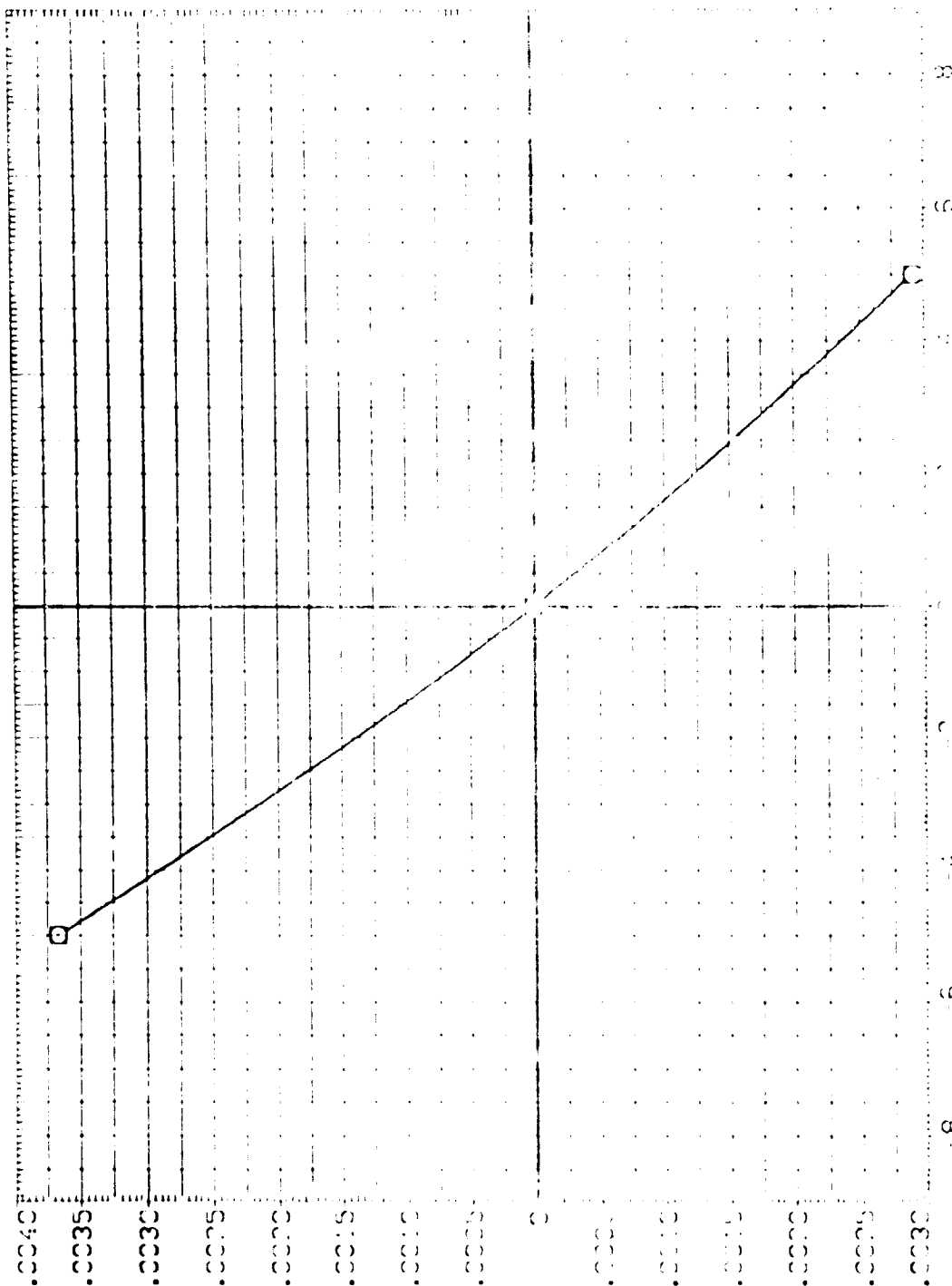
1.550 10.000 ELEVATION .000

0.000 0.000

SPC3M

REFERENCE INFORMATION

SREF 2.4210  
REF 38.0000  
SPC3 38.0000  
VREF 38.0000  
VREF 38.0000  
VREF 38.0000  
SCALE .0000



YAWING MOMENT COEFFICIENT (BODY AXIS)

SLIP ANGLE, DEGREES

FIG. 9 326 09 F8 WT 128 1825 1116 E2601340140





AVES 97-716 CA223 B26 C9 F8 W128 V8R5 W116 E26(1940:4)

SYMB

WACH

ALPHA  
RUDDER

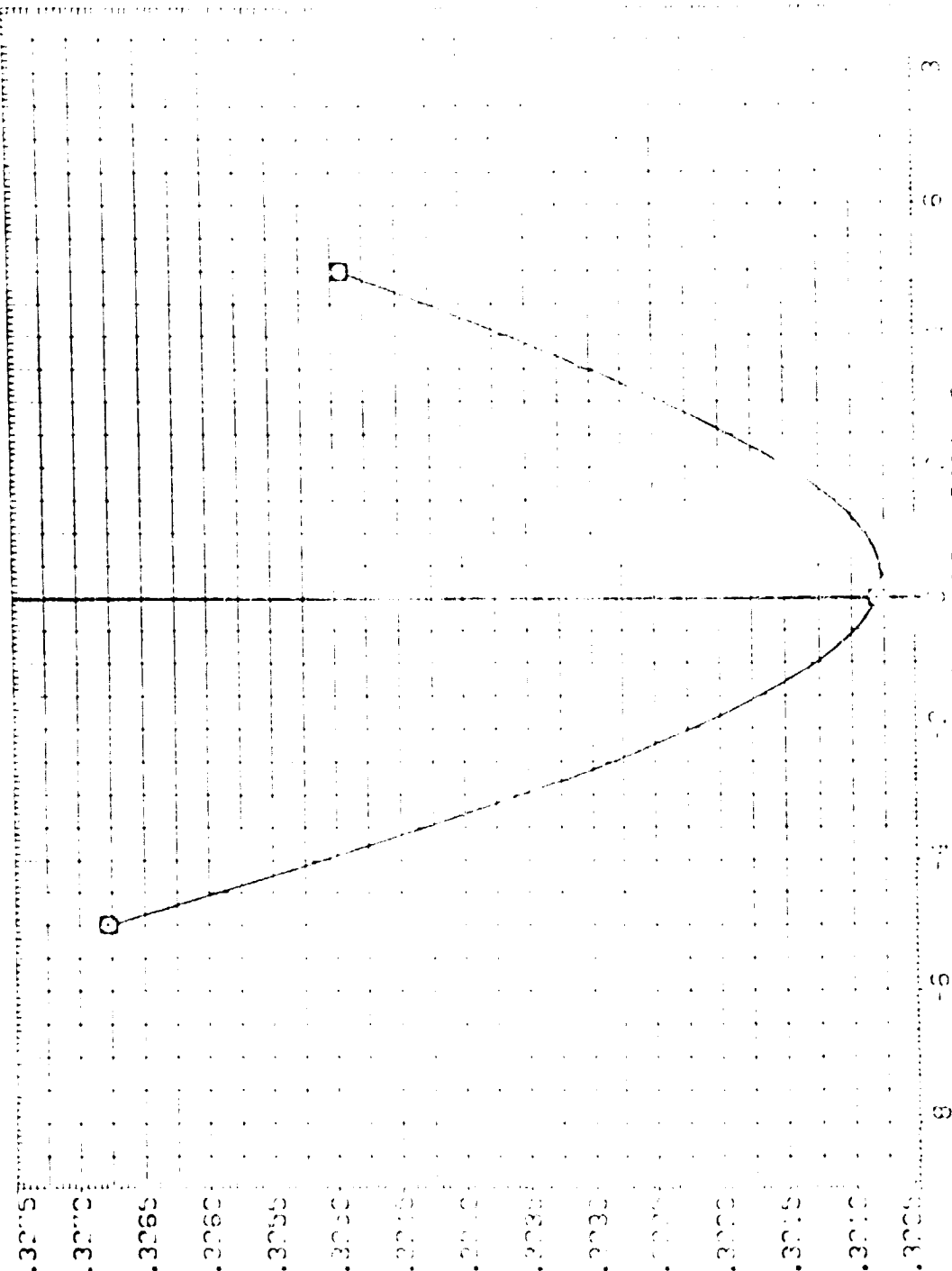
PARAMETRIC VALUES

10.000 ELEVATION  
.000 SP082  
.000

.000

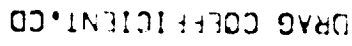
REFERENCE INFORMATION

SREF 2.4210 SQ.FT.  
REF 38.7090  
SP08 38.7090  
WACH 20.5120  
V8R5 .000000  
W116 .000000  
E26 .000000  
SCALE .0000



SIDESLIP ANGLE, DEGREES

FIG. 9 B26 C9 F8 W128 V8R5 W116 E26 (1940:4)

[illegible]

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AVES 97-716 GA22B B26 C9 F8 M7 N28 V8R5 W116 E26(194014)

SYNOPSIS

MACH  
1.550  
2.200

ALPHA  
RUDDER

PARAMETRIC VALUES  
10.000 ELEVON  
.000 SPEED

.000  
.000

REFERENCE INFORMATION  
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LREF 38.7080  
BREF 38.7080  
XREF 25.5420  
YREF .0000  
ZREF .0000  
SCALE .0300

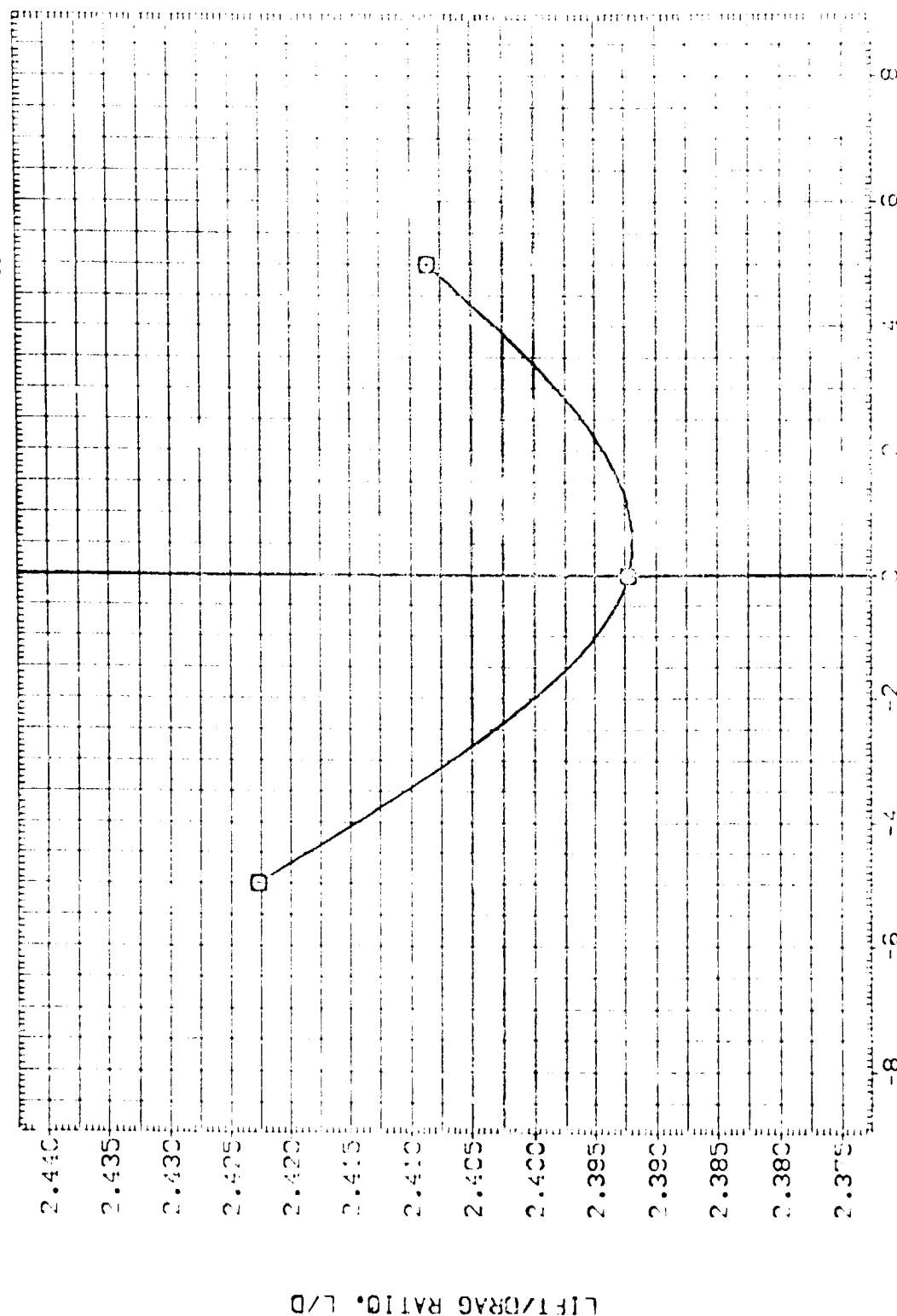


FIG. 9 B26 C9 F8 M7 N28 V8 R5 W116 E26 • ALPHA = 10  
SIDESLIP ANGLE, BETA, DEGREES

AVES 97-16 01003 3-6 09 58 128 1895 1116 52601340150

SYNOPSIS

A. B. C. D. E. F. G. H. I. J. K. L. M. N. O. P. Q. R. S. T. U. V. W. X. Y. Z.

## SET-1 Disinfectant

[illegible]

REFERENCE INFORMATION	
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FEET	38.090
INCH	38.090
YR2	20.540
YR3	.0000
YR4	.0000
SCALE	.0000

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3756  
3757  
3758  
3759  
3760

5325

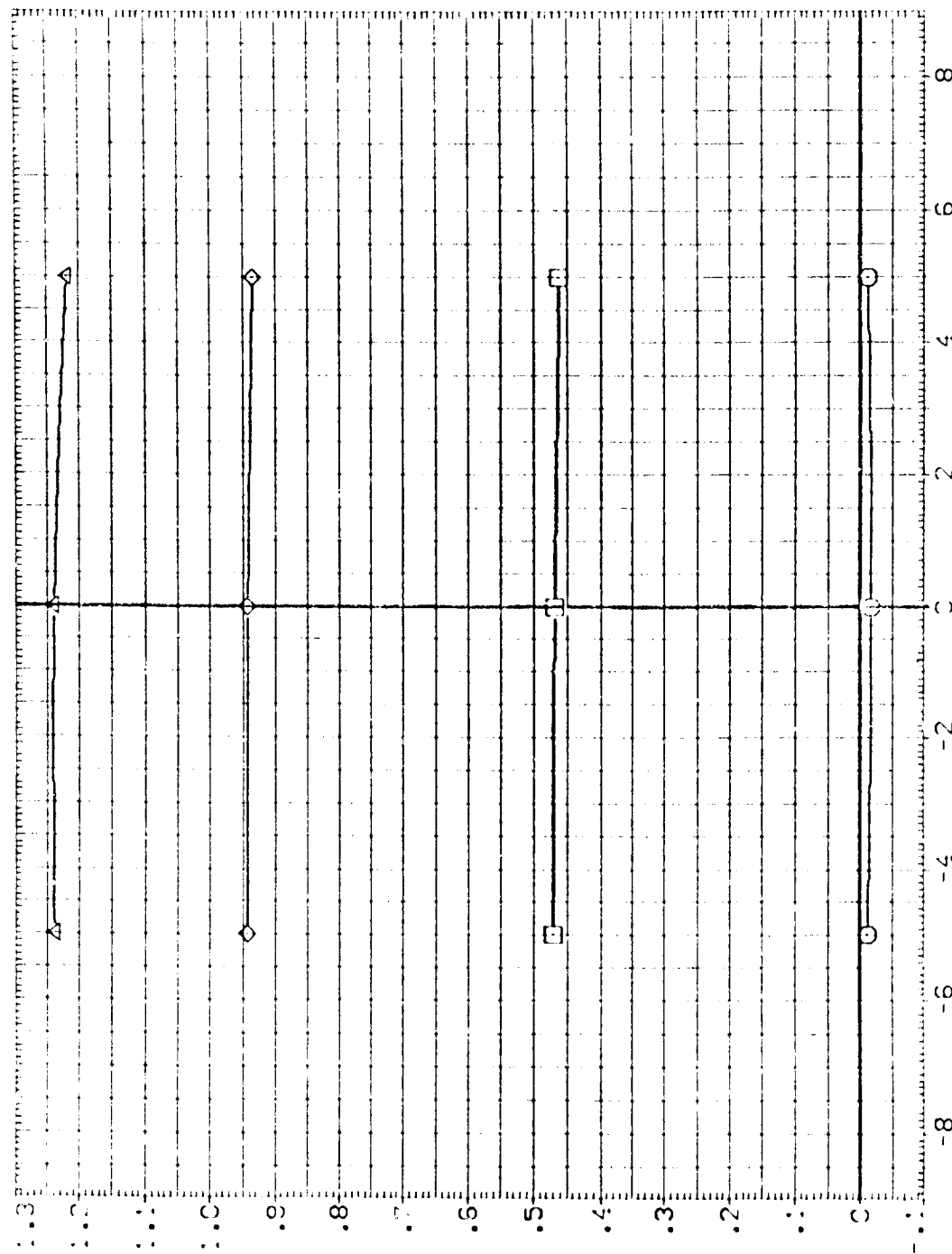
5325

5325

5325

5325

5325



SIDESLIP ANGLE, BETA, DEGREES

```

ELEV. 10 326 09 58 47 N28 V8 R5 W116 E26 , WACH = 1.55 , ELEVON = 0

```

AMES 97-716 CA22B 326 C9 F8 M7 N28 V8R5 W116 E26 (134015)

REFERENCE INFORMATION  
 SREF 2.4210  
 LREF 38.7090  
 BREF 38.7090  
 XMRP 25.5420  
 YMRP .0000  
 ZMRP .0000  
 SCALE .0300

PARAMETRIC VALUES  
 ALPHA .000  
 MACH 1.550  
 ELEVON .000  
 RUDDER .000  
 SPDRK .000

SYMBOL  
 ○ ○ ○ ○  
 ◇ ◇ ◇ ◇

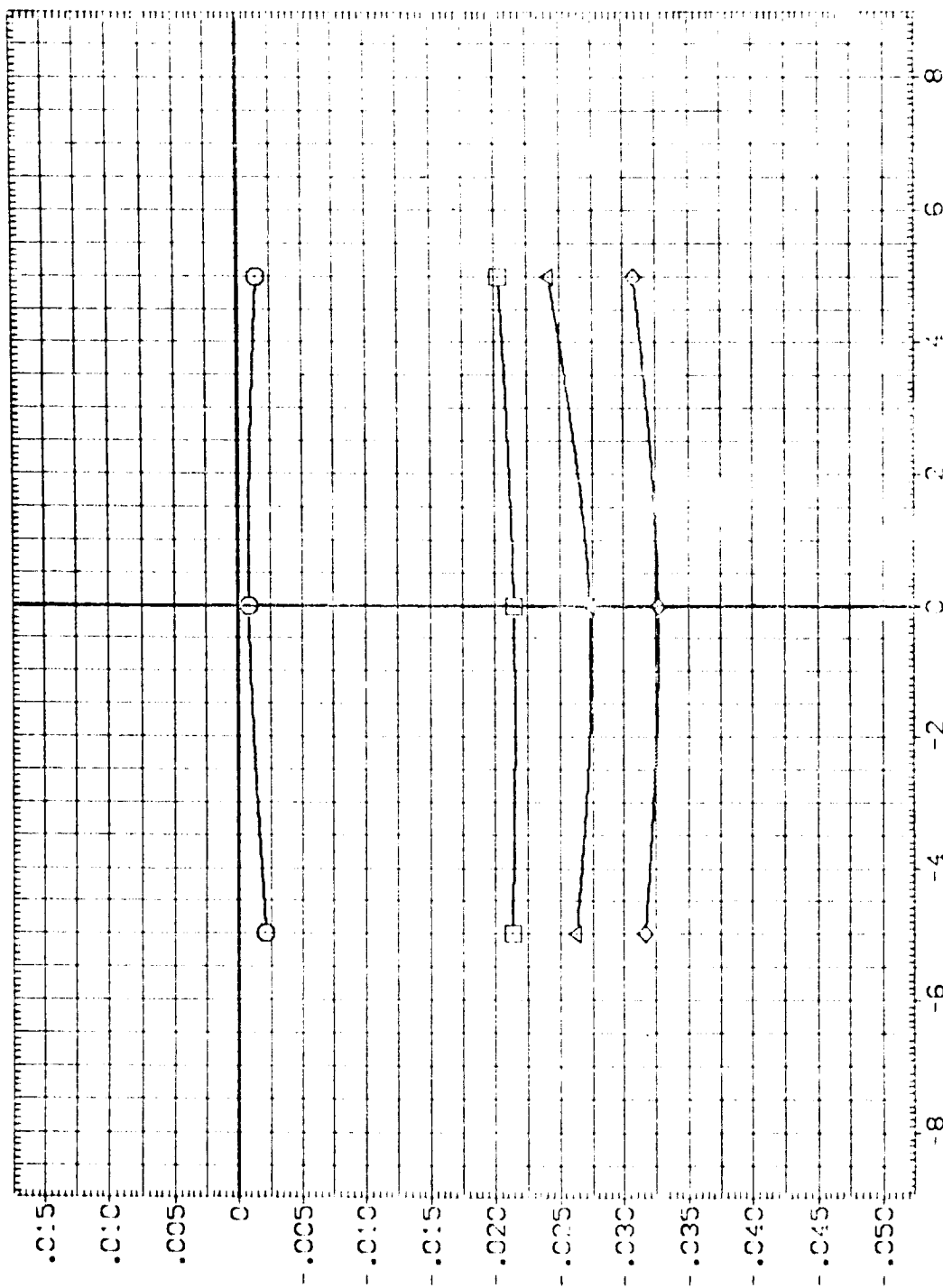


FIG. 10 326 C9 F8 M7 N28 V8 R5 W116 E26 , MACH = 1.55 , ELEVON = 0

AVES 97-016 CA223 B26 C9 F8 M7 N28 V8R5 W116 E26 (B4015)

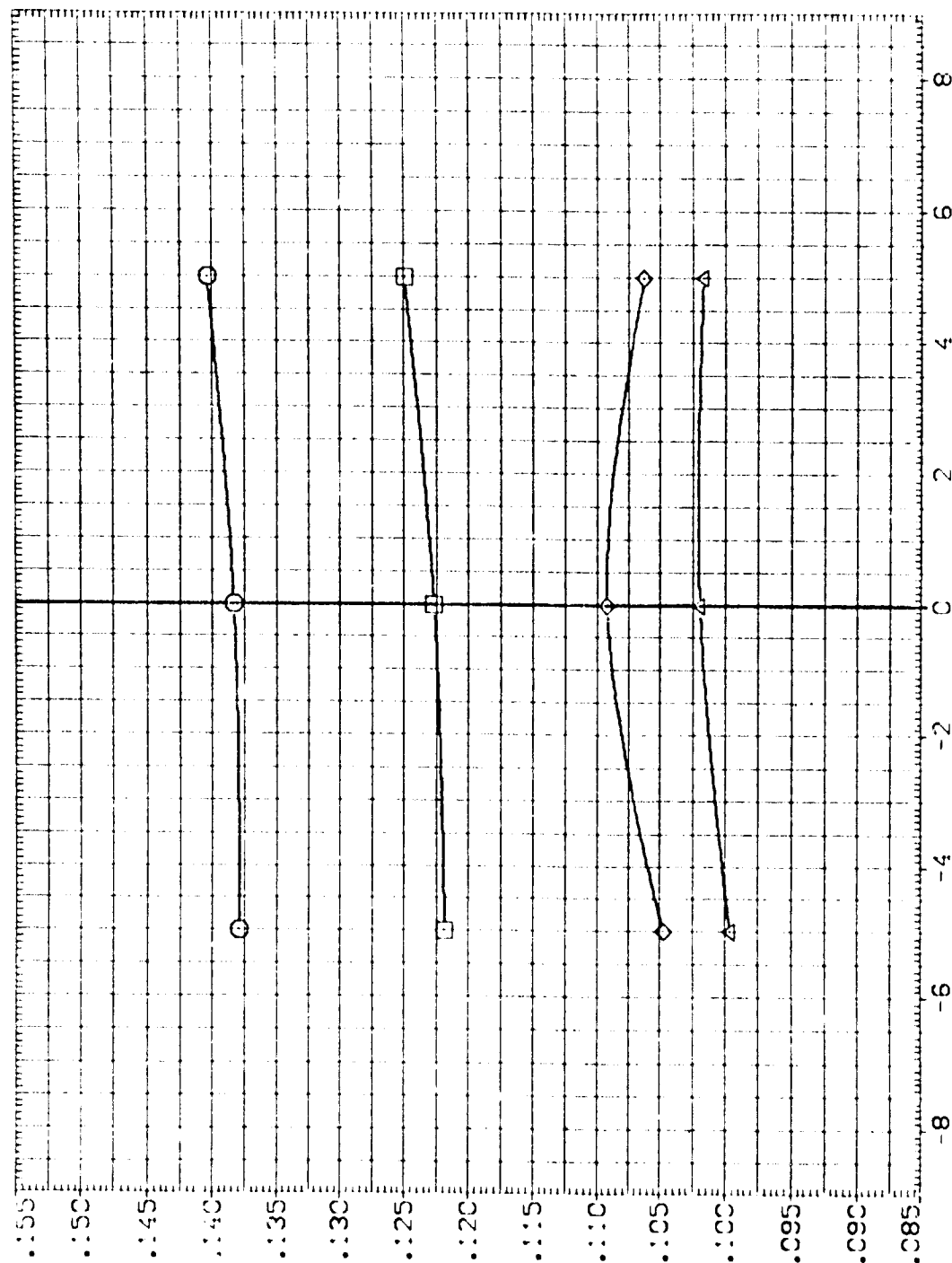
SYMBOL

ALPHA  
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10.000  
20.000  
30.000

MACH  
RUDDER  
1.550  
1.000  
1.000  
1.000

ELEVON  
SPDRN  
.000  
.000  
.000

REFERENCE INFORMATION  
SREF 2.4210  
LREF 38.7090  
SREF 38.7090  
XREF 25.5420  
YREF .0000  
ZREF .0000  
SCALE .0300



AXIAL FORCE COEFFICIENT, CA

F16. 10 B26 C9 F8 M7 N28 V8 R5 W116 E26 , MACH = 1.55 , ELEVON = 0

AMES 97-716 0A223 B26 C9 F8 M7 N28 V8R5 W116 E26 (IB4015)

SYMBOL

ALPHA  
.000  
10.000  
20.000  
27.000

MACH  
RUDER

PARAMETRIC VALUES  
1.550 ELEVON  
.000 SPOILER

.000  
.000

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
LREF 38.7090 IN.  
BREF 38.7090 IN.  
XMRP 29.5420 IN.  
YMRP 0.0000 IN.  
ZMRP 0.0000 IN.  
SCALE .0300

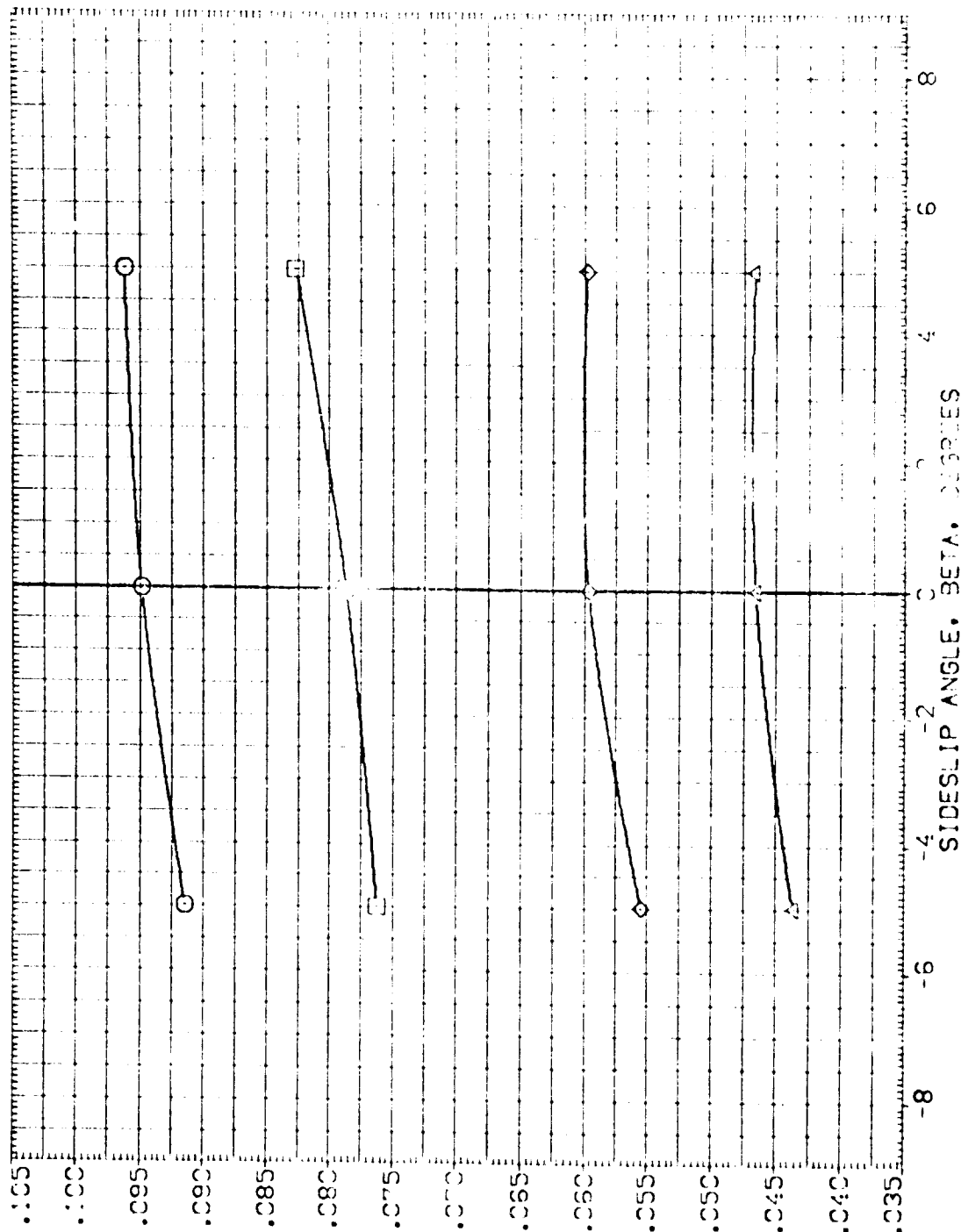


FIG. 10 B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = 1.55, ELEVON = 0

AMES 97-016 CA22B 326 C9 F8 M7 N28 V8R5 W116 E26 (184015)

SYMBOL  
O  
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◇  
△

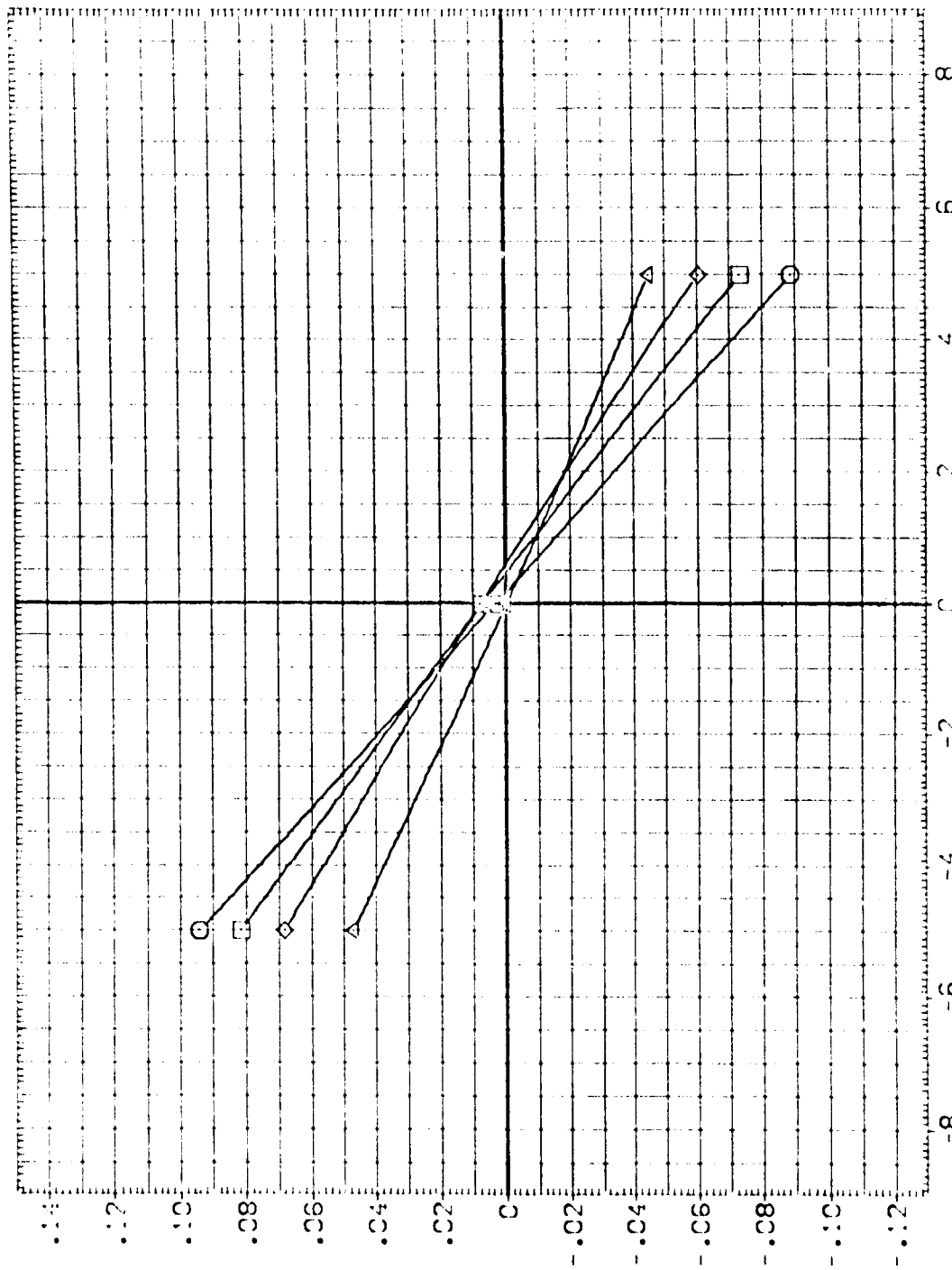
ALPHA  
.000  
10.000  
20.000  
30.000

MACH  
0.0050  
0.0000  
0.0000  
0.0000

PARAMETRIC VALUES  
ELEVON  
SPDRM

.000  
.000  
.000  
.000

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
LREF 38.7090  
BREF 38.7090  
XREF 25.5470  
YREF .0000  
ZREF .0000  
SCALE .0300



SIDE FORCE COEFFICIENT, CY

FIG. 10 B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = 1.55, ELEVON = 0



AVES 97-716 CA223 326 C9 F8 W7 N28 V8R5 W116 E26 (184015)

SYMBOL

ALPHA

MACH

RUDDER

PARAMETRIC VALUES

ELEVON

SPDBK

SCALE

REFERENCE INFORMATION

SO. FT.

2.4210

38.0090

38.0090

25.5420

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

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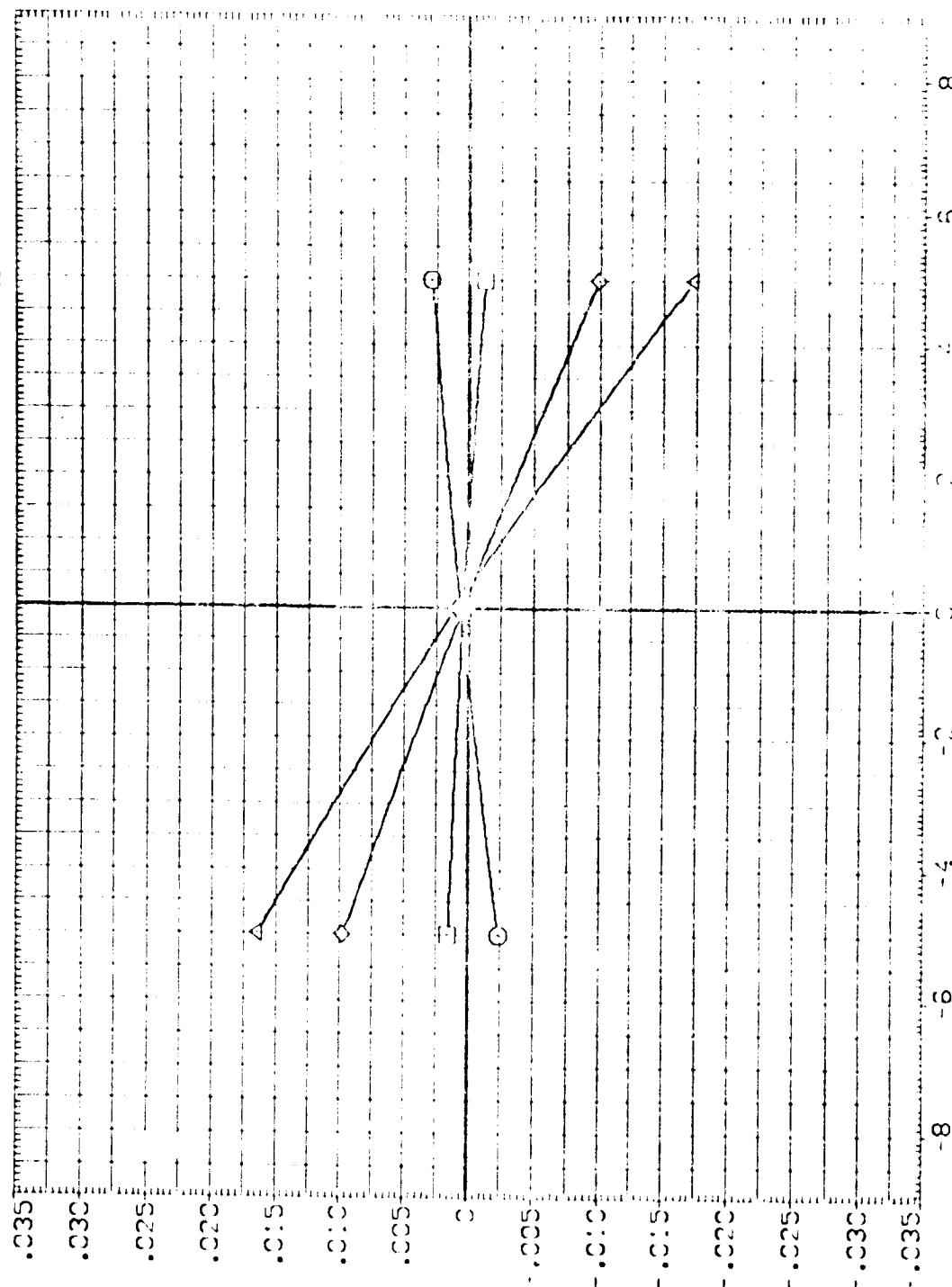


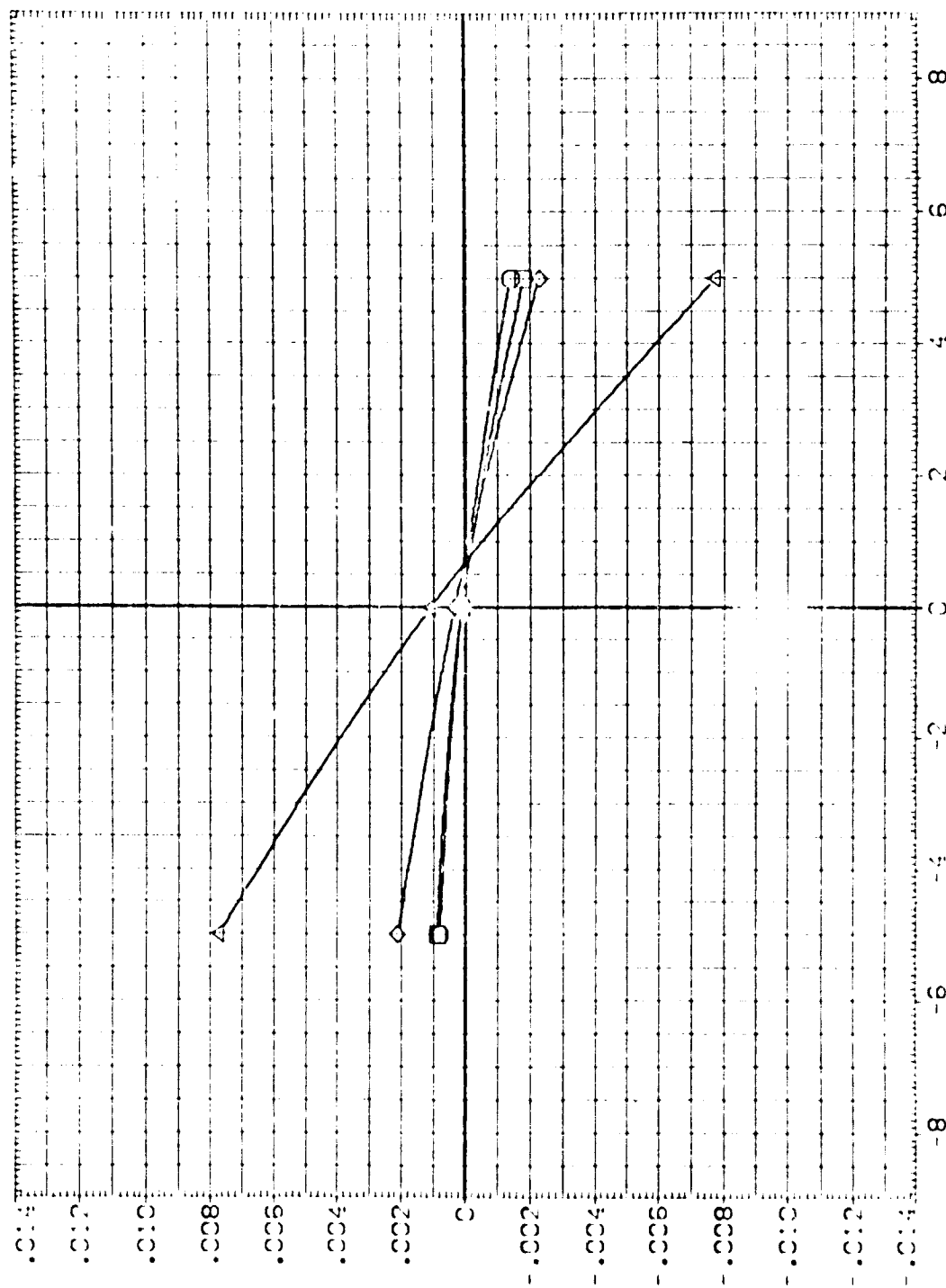
FIG. 10 326 C9 F8 W7 N28 V8 R5 W116 E26,  $\alpha_{IC} = 1.55$ , ELEVON = 0

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



SPRE	2 4210	SO. FT.
REF	38 7090	11.1
BASE	38 7090	11.1
XXX	25 5420	11.1
XXX	0.000	11.1
XXX	0.000	11.1
SCALE	0.000	11.1

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



```

=13.10 325 39 58 v7 v28 v8 35 W1.6 E26 , MACH = 1.55 , ELEVEN = 0

```

AVES 97-716 CA223 B26 C9 F8 M7 N28 V8R5 W116 E26 (184015)

SYMBOL

ALPHA  
0.000  
10.000  
20.000  
30.000

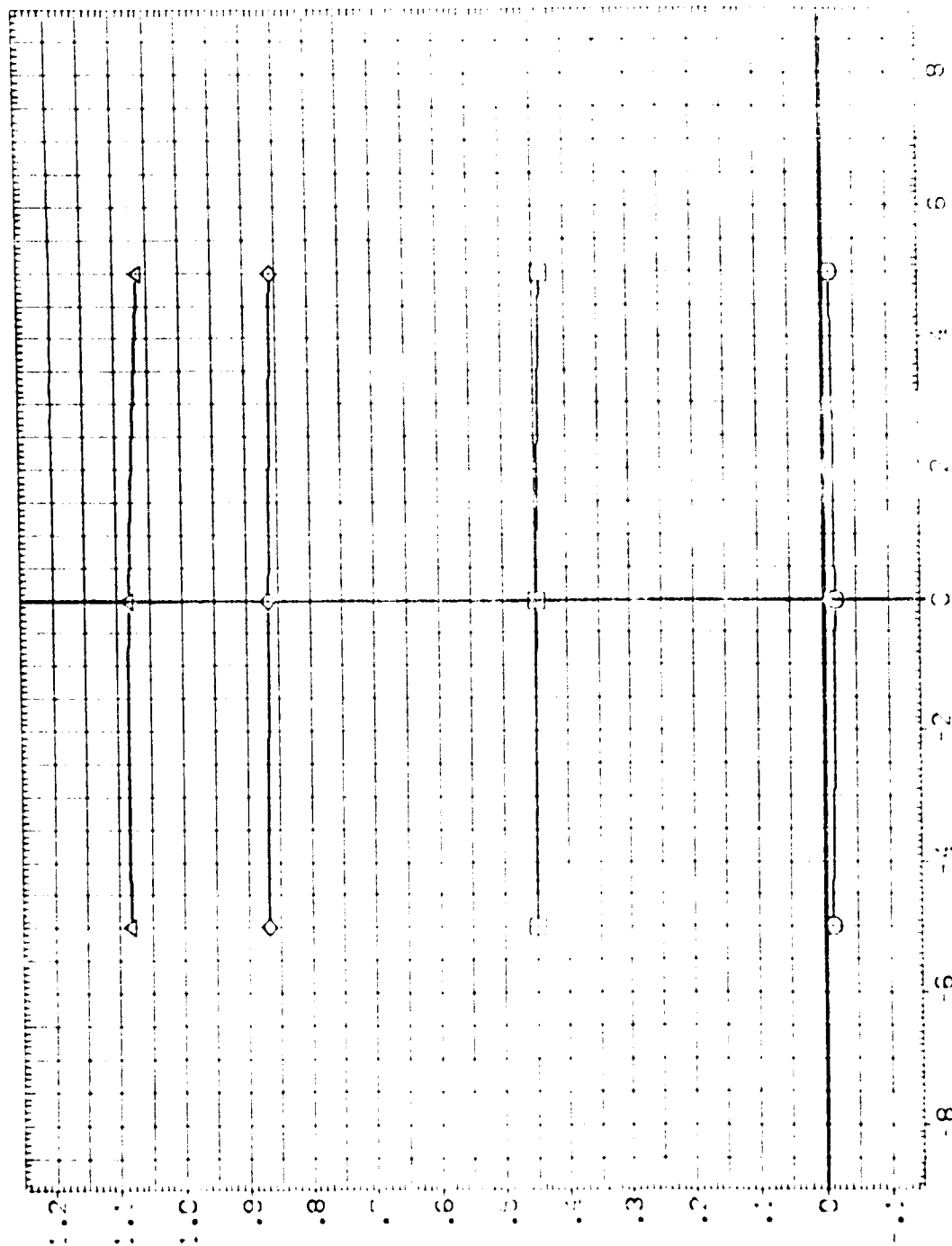
MACH  
RUDDER

PARAMETRIC VALUES  
1.550 ELEVON  
1.000 SPOILER

0.000  
0.000

REFERENCE INFORMATION  
SREF 2.4210  
LREF 38.7090  
BREF 38.7090  
VREF 25.5420  
YREF 0.0000  
ZREF 0.0000  
SCALE 0.0000

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IN.  
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LIFT COEFFICIENT, CL

FIG. 10 B26 C9 F8 M7 N28 V8 R5 W116 E26 • MACH = 1.55 • ELEVON = 0

W16 97716 04223 326 C9 F8 W7 N28 V8R5 W16 E26(1340:5)

SYNOPSIS

ALPHA  
.000  
10.000  
20.000  
30.000

MACH  
PLOTTER

PARAMETRIC VALUES  
1.550 ELEVON  
.000 SPOON

.000  
.000

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
REF 38.7000  
SREF 38.7000  
XV30 25.5420  
V300 .0000  
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SCALE .0300

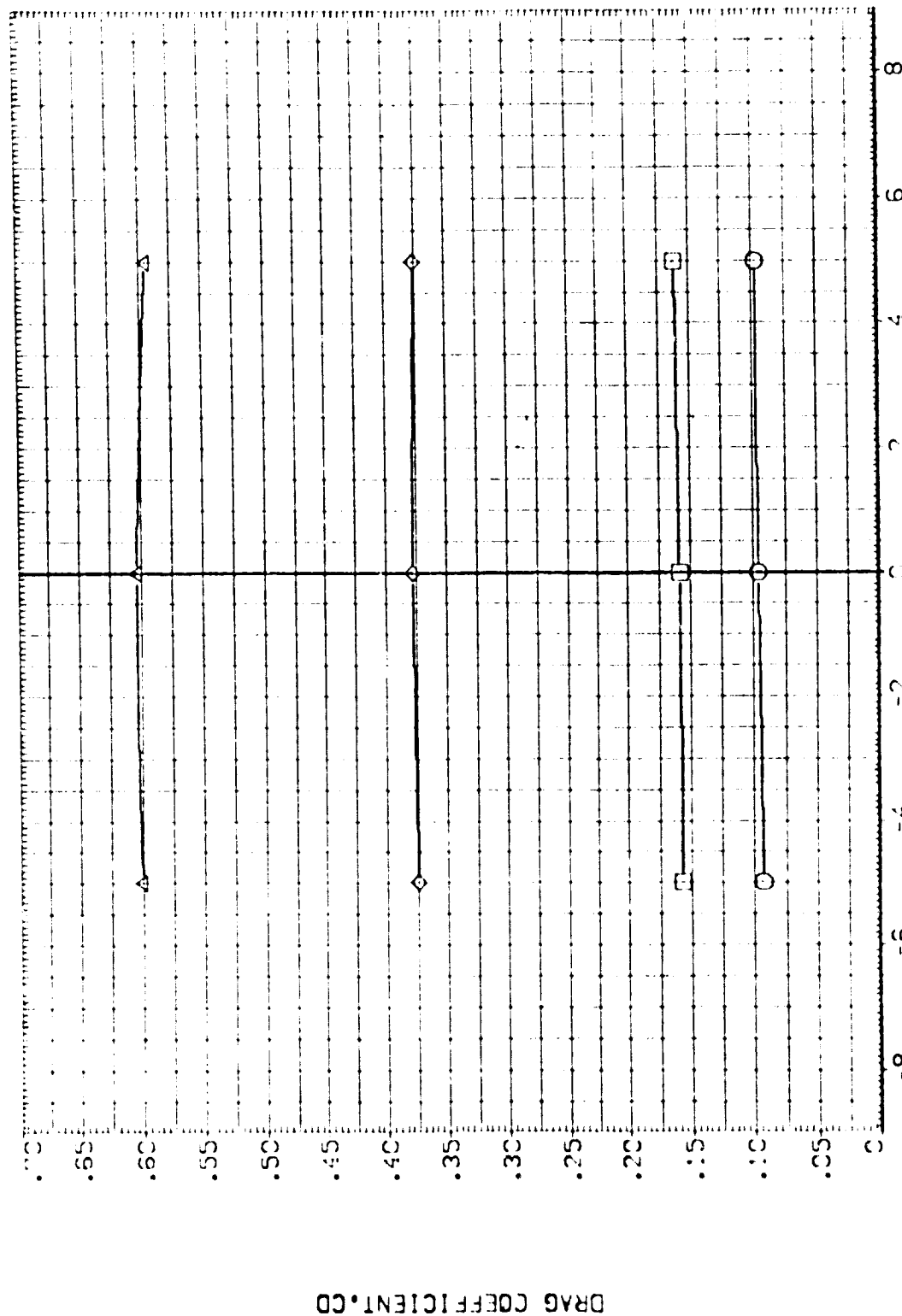


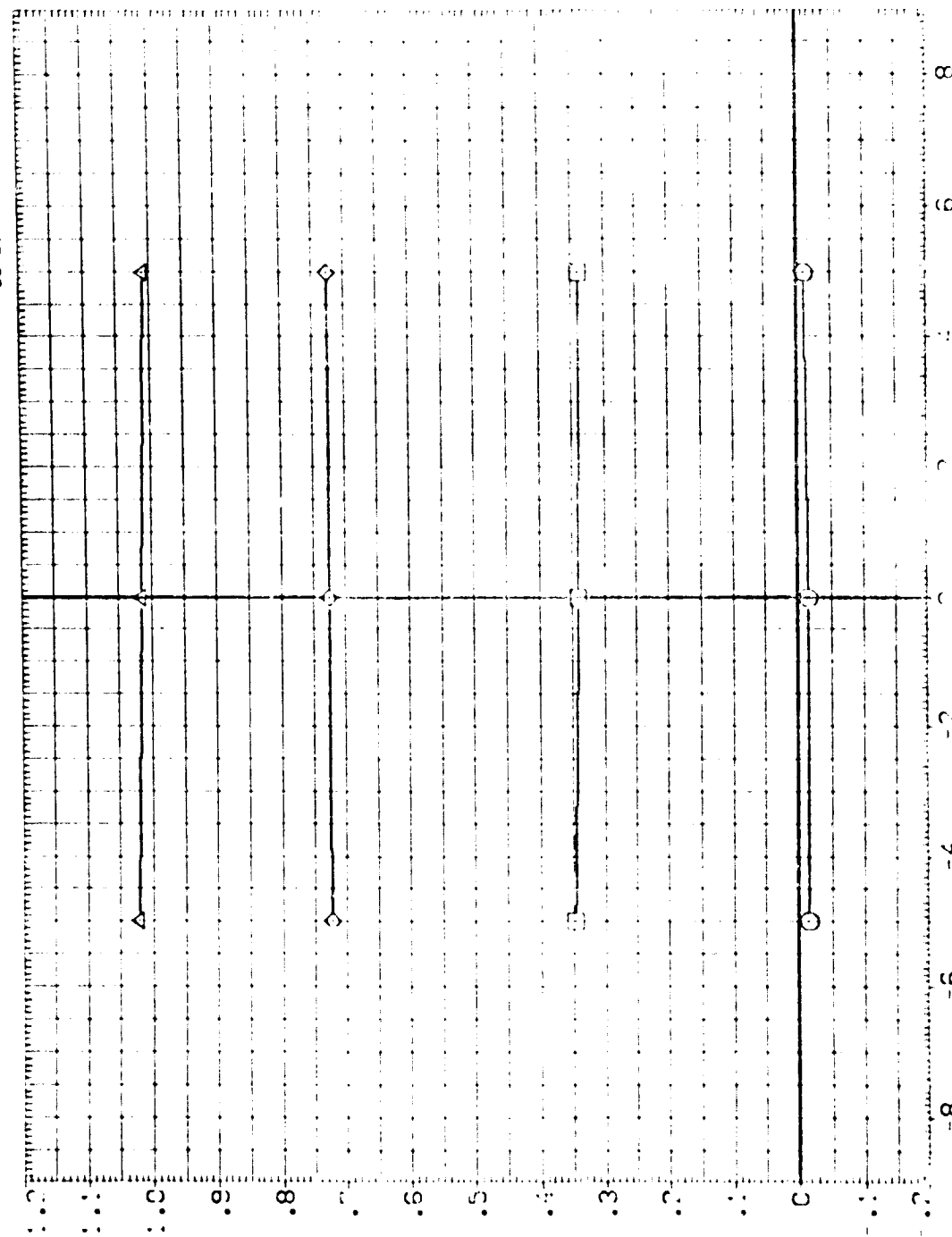
FIG. 10 326 C9 F8 W7 N28 V8 R5 W16 E26, MACH = 1.55, ELEVON = 0

AMES 97-716 OA223 326 C9 F8 M7 N28 V8R5 W116 E26 (184016)

REFERENCE INFORMATION  
 SREF 2.4210 50.FT.  
 XREF 38.7090  
 YREF 38.7090  
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 VREF 38.7090  
 WREF 38.7090  
 XREF 38.7090  
 YREF 38.7090  
 ZREF 38.7090  
 VREF 38.7090  
 WREF 38.7090  
 SCALE .0000

PARAMETRIC VALUES  
 ALPHA .000 MACH 2.001 ELEVON .000  
 RUDER .000 SPEED .000

SYMBOL  
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NORMAL FORCE COEFFICIENT, CN

SIDESLIP ANGLE, BETA, DEGREES

FIG. 11 326 C9 F8 M7 N28 V8 R5 W116 E26, MACH = 0.2, ELEVON = 0

PAGE 3

AMES 97-216 CA223 B26 C9 F8 M7 N28 V8R5 W116 E26(1340:6)

SYMBOL  
O  
X  
A

ALPHA  
.000  
10.000  
20.000  
30.000

MACH  
0.000  
0.000

PARAMETRIC VALUES  
2.001  
.000  
ELEVON  
SPD394  
.000

REFERENCE INFORMATION  
SREF 2.4210  
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BREF 38.7090  
XREF 20.5470  
VREF .0000  
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SCALE .0300

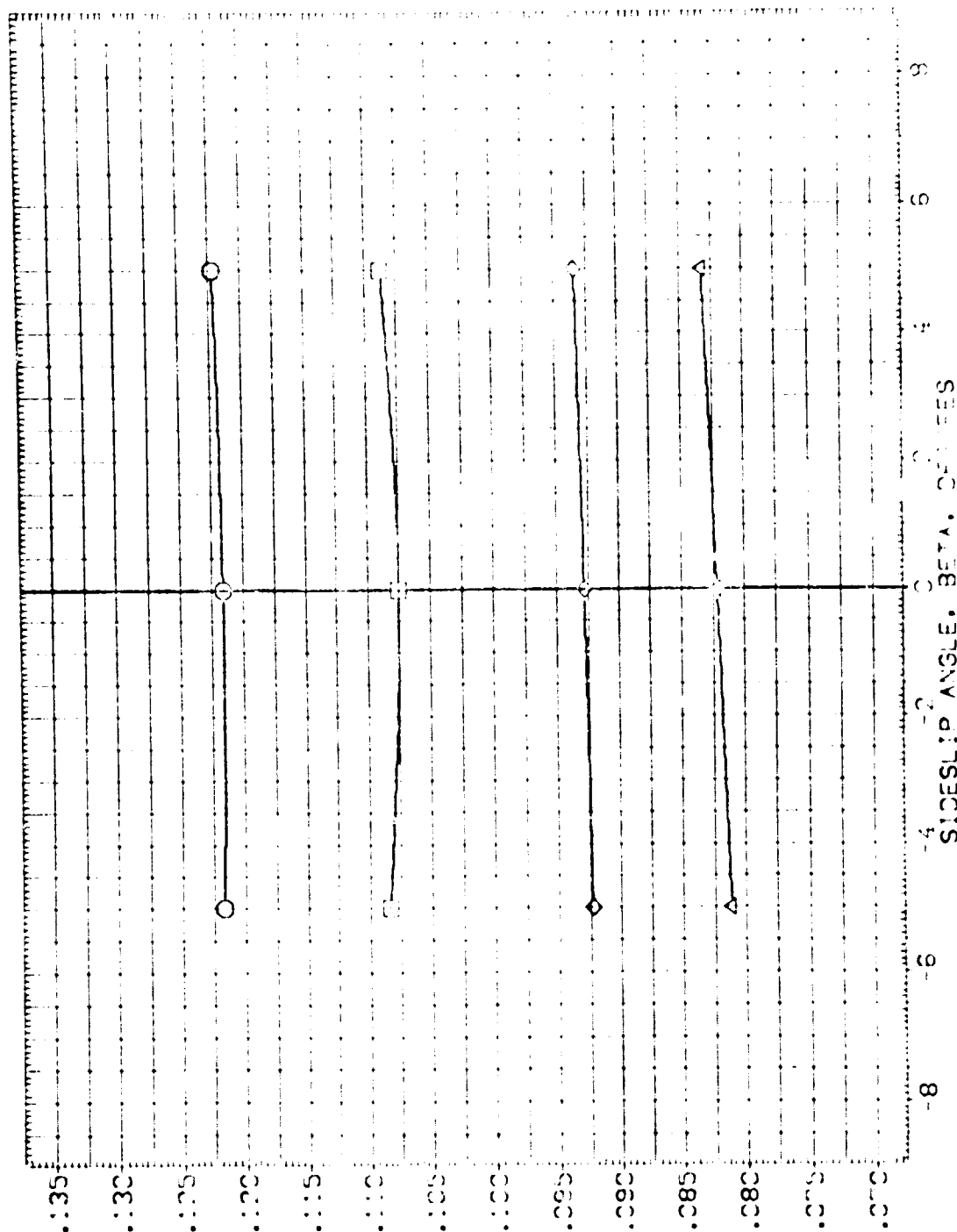


FIG. 11 B26 C9 F8 M7 N28 V8R5 W116 E26 MACH = 0.000 ELEVON = 0

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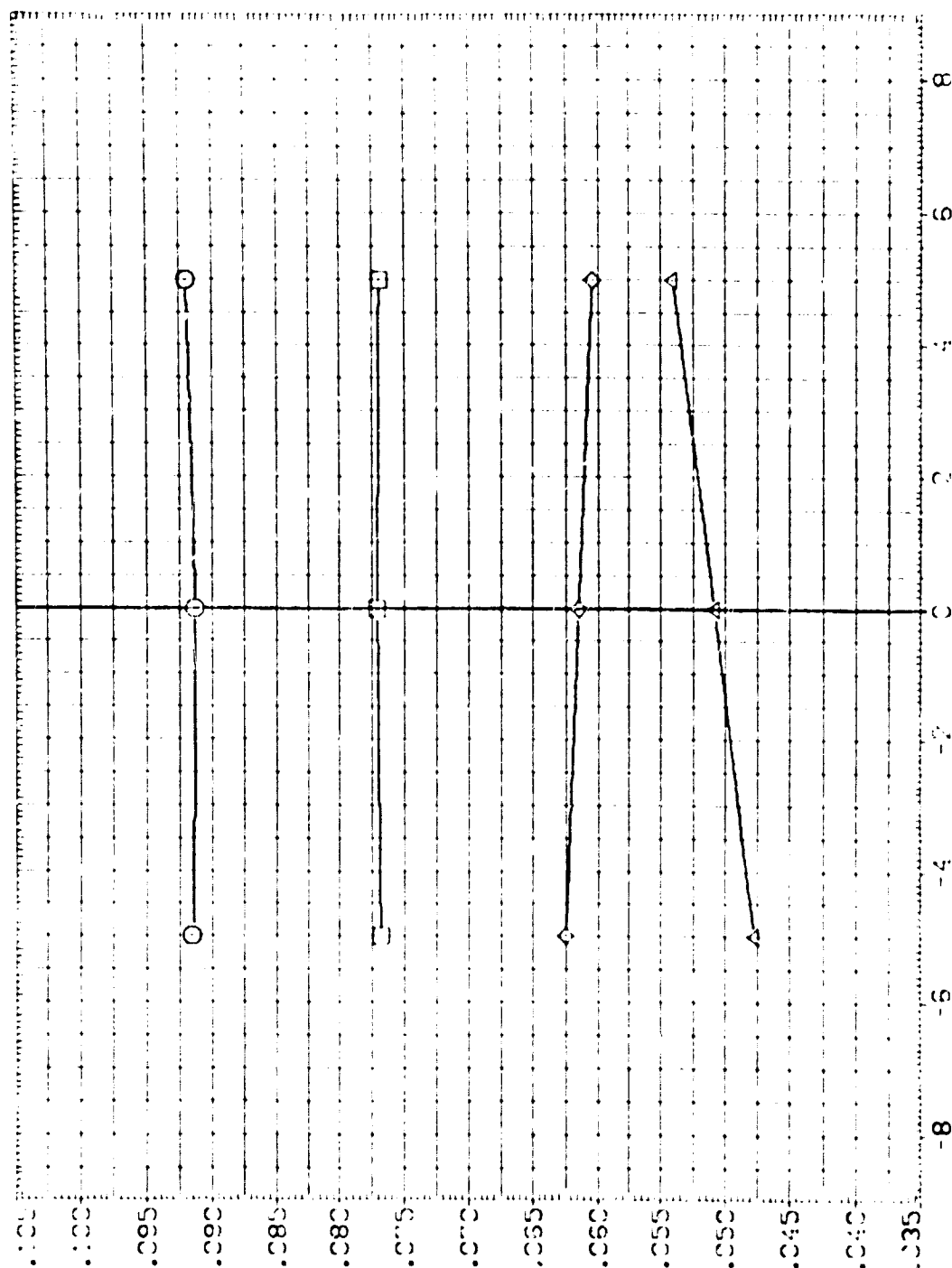
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## REFERENCE INFORMATION

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42000000  
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2882

35.



326 39 58 57 128 48 25 116 326 , y10 = 2.2 , elev0 = 0



AMES 97-716 CA223 B26 C9 F8 M7 N28 V8R5 W116 E26(1B4016)

SYMBOL  
 ○  
 □  
 ◇  
 △

PARAMETRIC VALUES  
 MACH 2.20  
 ELEVON .000  
 SPOON .000

REFERENCE INFORMATION  
 SREF 2.4210  
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 BREF 38.7090  
 XMR0 25.5420  
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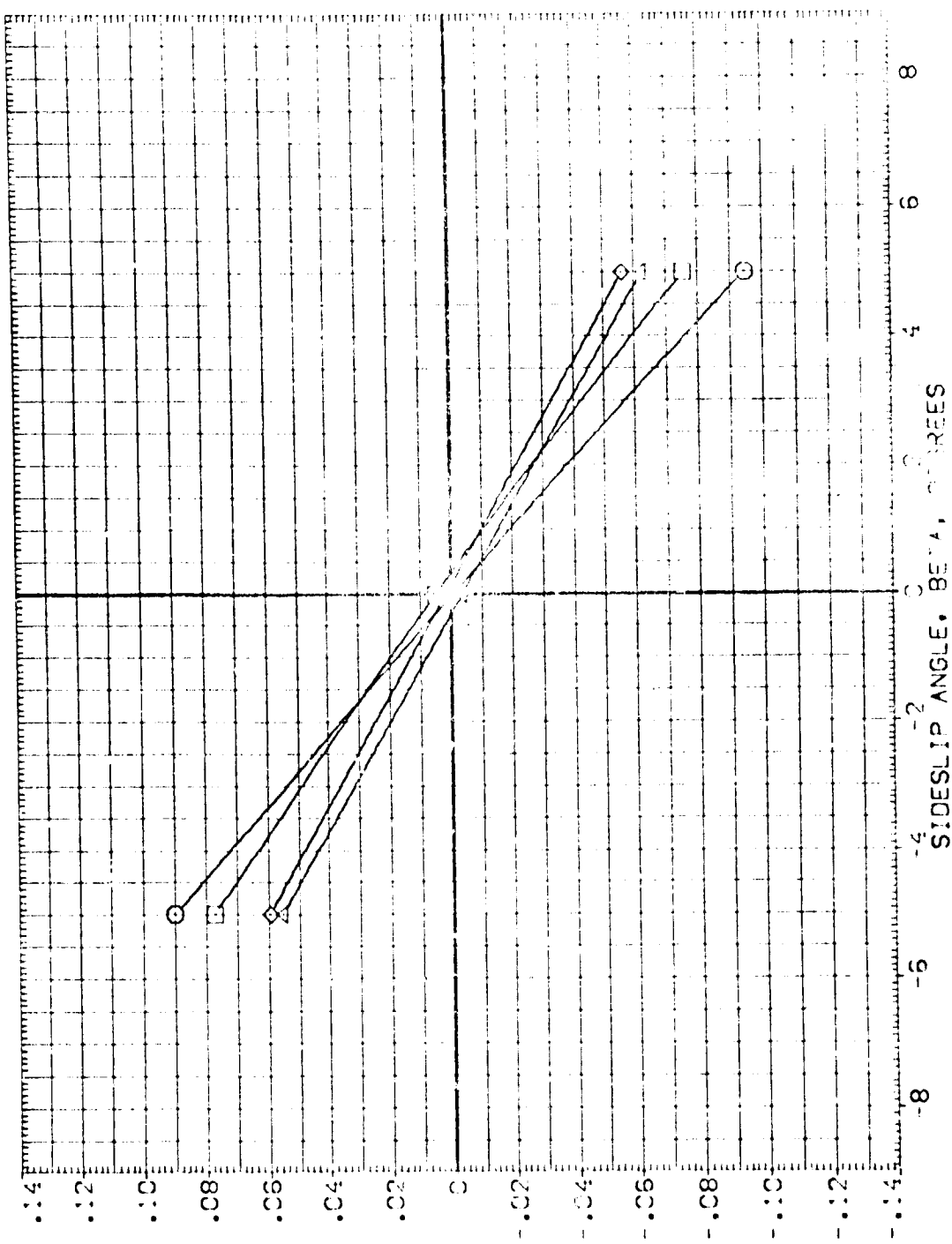


FIG. 11 B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = .2, ELEVON = 0

AVES 07 16 CA22B B26 C9 F8 V7 N28 V8R5 W116 E26 (184016)

SYNCH  
0  
1  
2  
3

ALPHA .000  
10.000  
20.000  
30.000

MACH  
RUDER

PARAMETRIC VALUES  
2.000  
.000  
ELEVON  
SPDRK  
.000

REFERENCE INFORMATION  
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BREF 38.7090  
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Y-REF .0000  
Z-REF .0000  
SCALE .0300

SO. FT.  
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N:  
N:  
N:

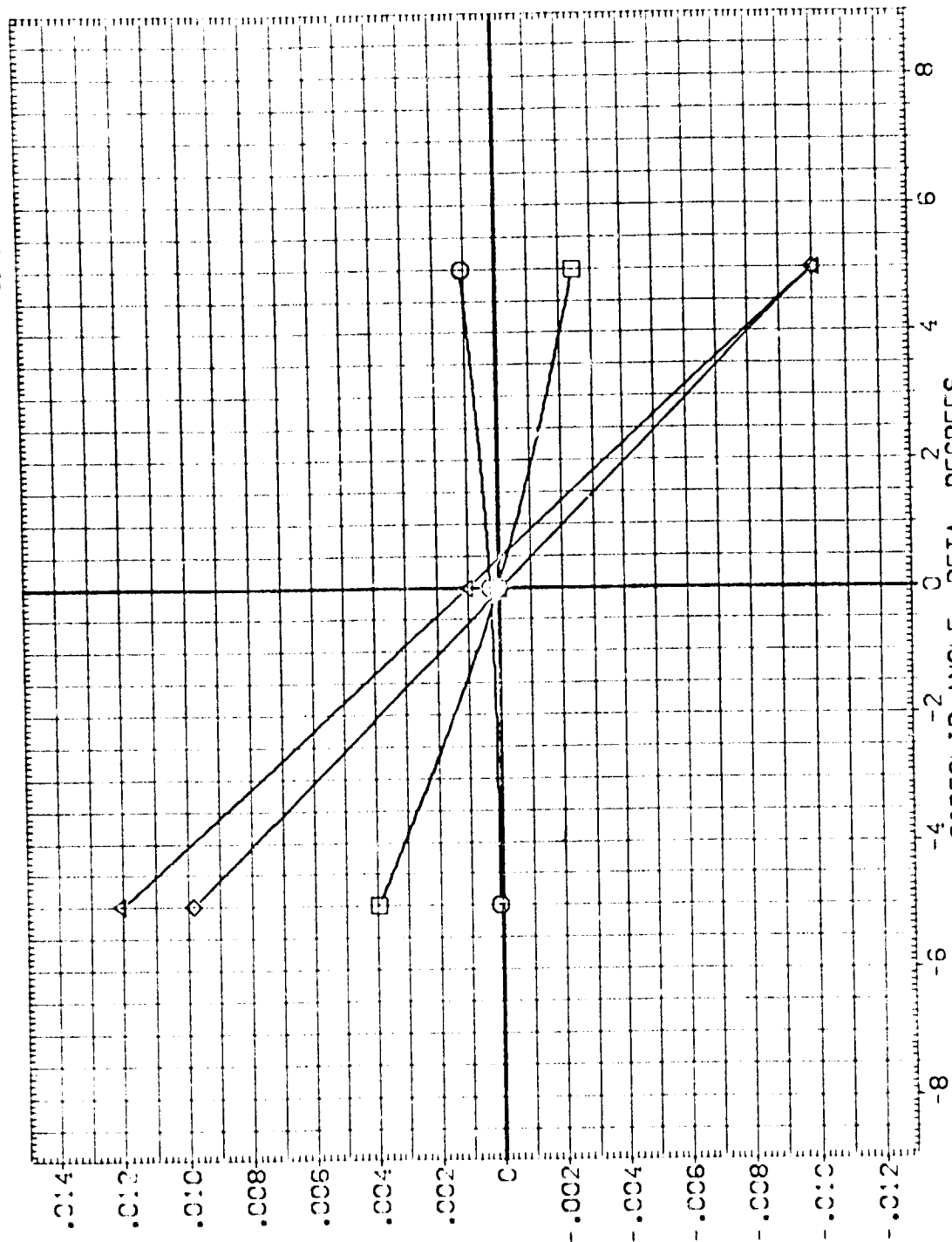


FIG. 11 B26 C9 F8 V7 N28 V8 R5 W116 E26, MACH = 2.2, ELEVON = 0

AMES 97-716 CA223 B26 C9 F8 M7 N28 V8R5 W116 E26 (1B4016)

SYMBOL  
 ○  
 ◇  
 △

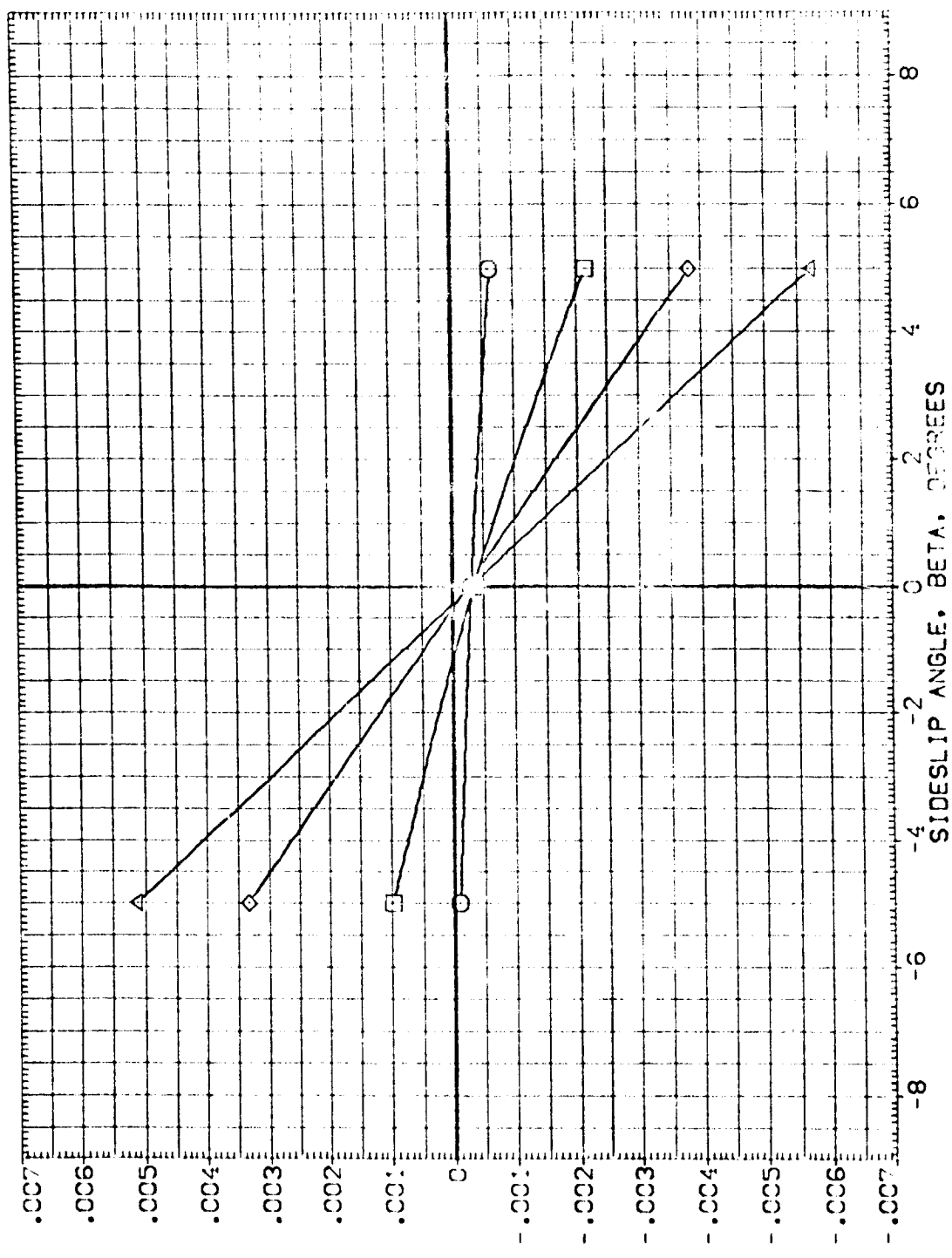
ALPHA  
 .000  
 10.000  
 20.000  
 27.000

MACH  
 RUDDER

PARAMETRIC VALUES  
 2.201 ELEVON  
 .000 SPOBRK

.000  
 .000

REFERENCE INFORMATION  
 SREF 2.4210 SQ.FT.  
 LREF 38.7090 IN.  
 BREF 38.7090 IN.  
 XMRP 23.5420 IN.  
 YMRP .0000 IN.  
 ZMRP .0000 IN.  
 SCALE .0300



ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

FIG. 11 B26 C9 F8 M7 N28 V8 R5 W116 E26 , MACH = 2.2 , ELEVON = 0

AMES 97-716 0A223 B26 C9 F8 M7 N28 V8R5 W116 E26 (1B4016)

SYMBOL  
 ○ ◇ □ △

ALPHA  
 .000  
 10.000  
 20.000  
 27.000

MACH  
 RUDDER

PARAMETRIC VALUES  
 2.201 ELEVON  
 .000 SPDRK

.000  
 .000

REFERENCE INFORMATION  
 SREF 2.4210 SQ.FT.  
 LREF 38.7090 IN.  
 BREF 38.7090 IN.  
 XMRP 25.5420 IN.  
 YMRP .0000 IN.  
 ZMRP .0000 IN.  
 SCALE .0300

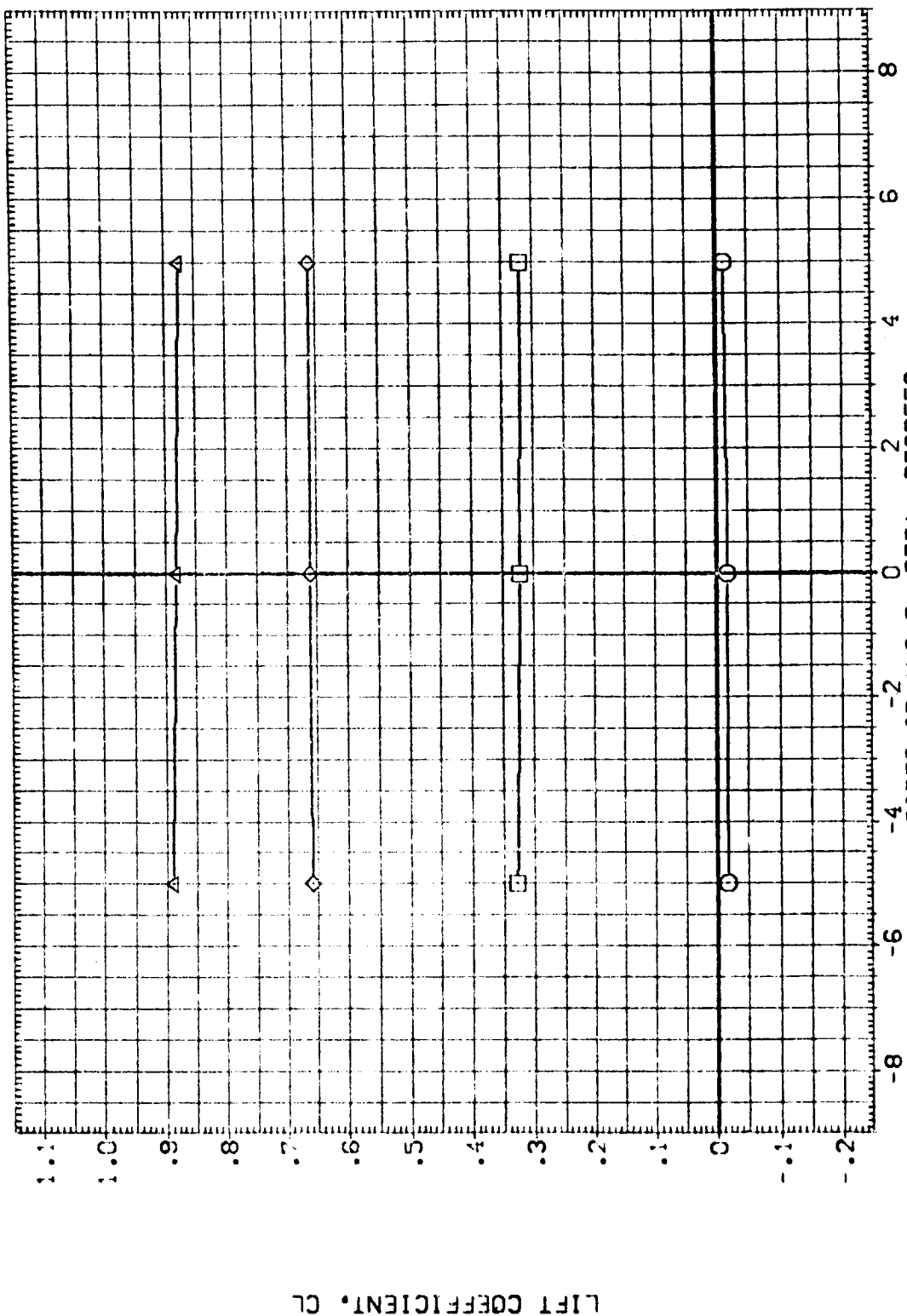


FIG. 11 B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = 2.2, ELEVON = 0

AMES 97-716 0A22B 926 C9 F8 M7 N28 V8R5 W116 E26 (1B4016)

SYMBOL  
 ○  
 ◇  
 △

ALPHA  
 .000  
 10.000  
 20.000  
 27.000

MACH  
 RUDDER

PARAMETRIC VALUES  
 2.20: ELEVON .000  
 .000 SPOBR: .000

REFERENCE INFORMATION  
 SREF 2.4210 90.FT.  
 LREF 38.7090 IN.  
 BREF 38.7090 IN.  
 YMRP 25.5420 IN.  
 ZMRP .0000 IN.  
 SCALE .0300

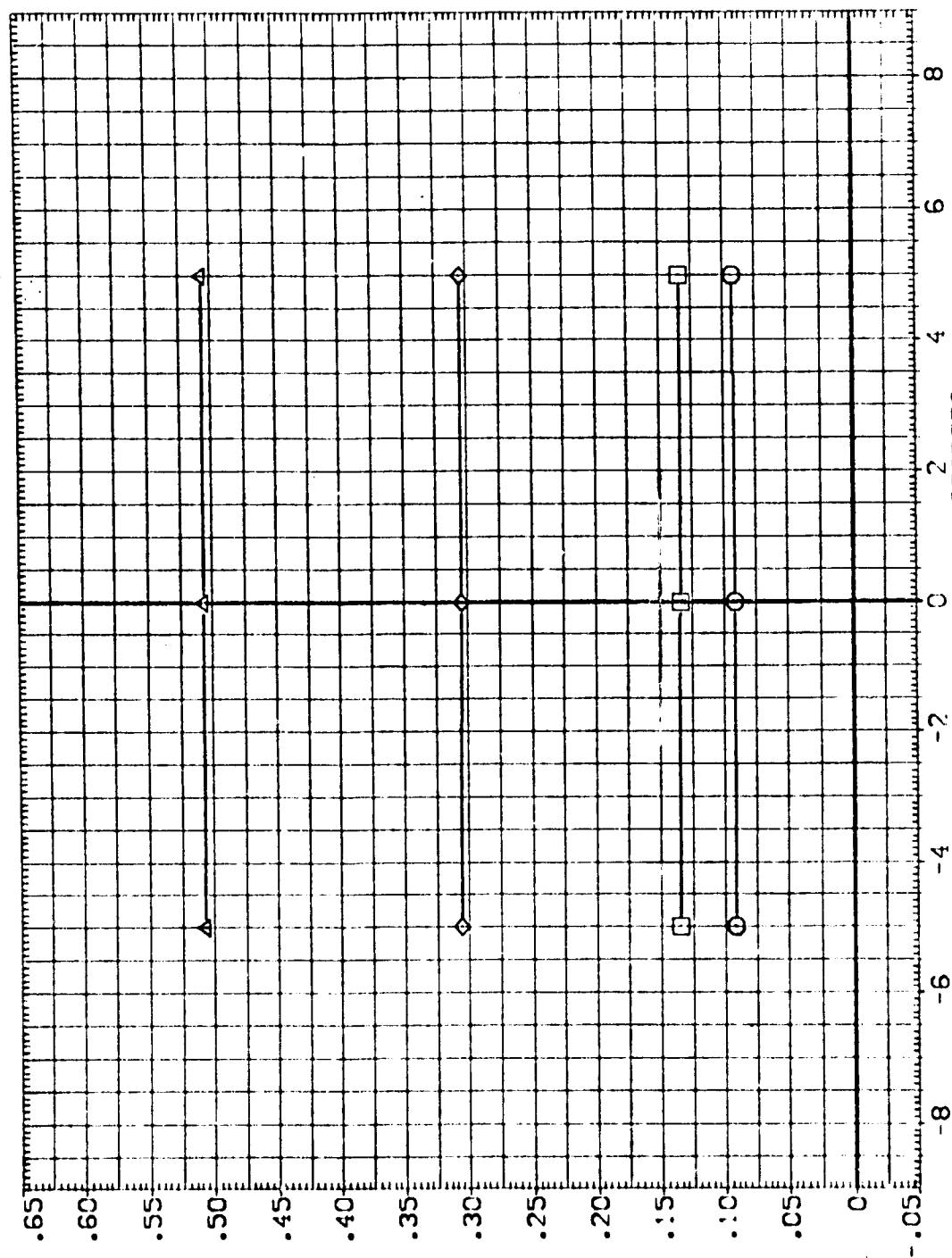


FIG. 11 B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = 2.2, ELEVON = 0



AVES 97-716 CA223 B26 C9 F8 M7 N28 V8R5 W116 E26(1B4017)

SYMBOL  
○  
◇  
△

ALPHA  
.000  
.0.000  
20.000  
27.000

MACH  
RUDDER

PARAMETRIC VALUES  
1.550  
.000  
ELEVON  
SPDBX

-20.000  
.000

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
LREF 38.7090 IN.  
BREF 38.7090 IN.  
XREF 25.5420 IN.  
YREF .0000 IN.  
ZREF .0000 IN.  
SCALE .0300

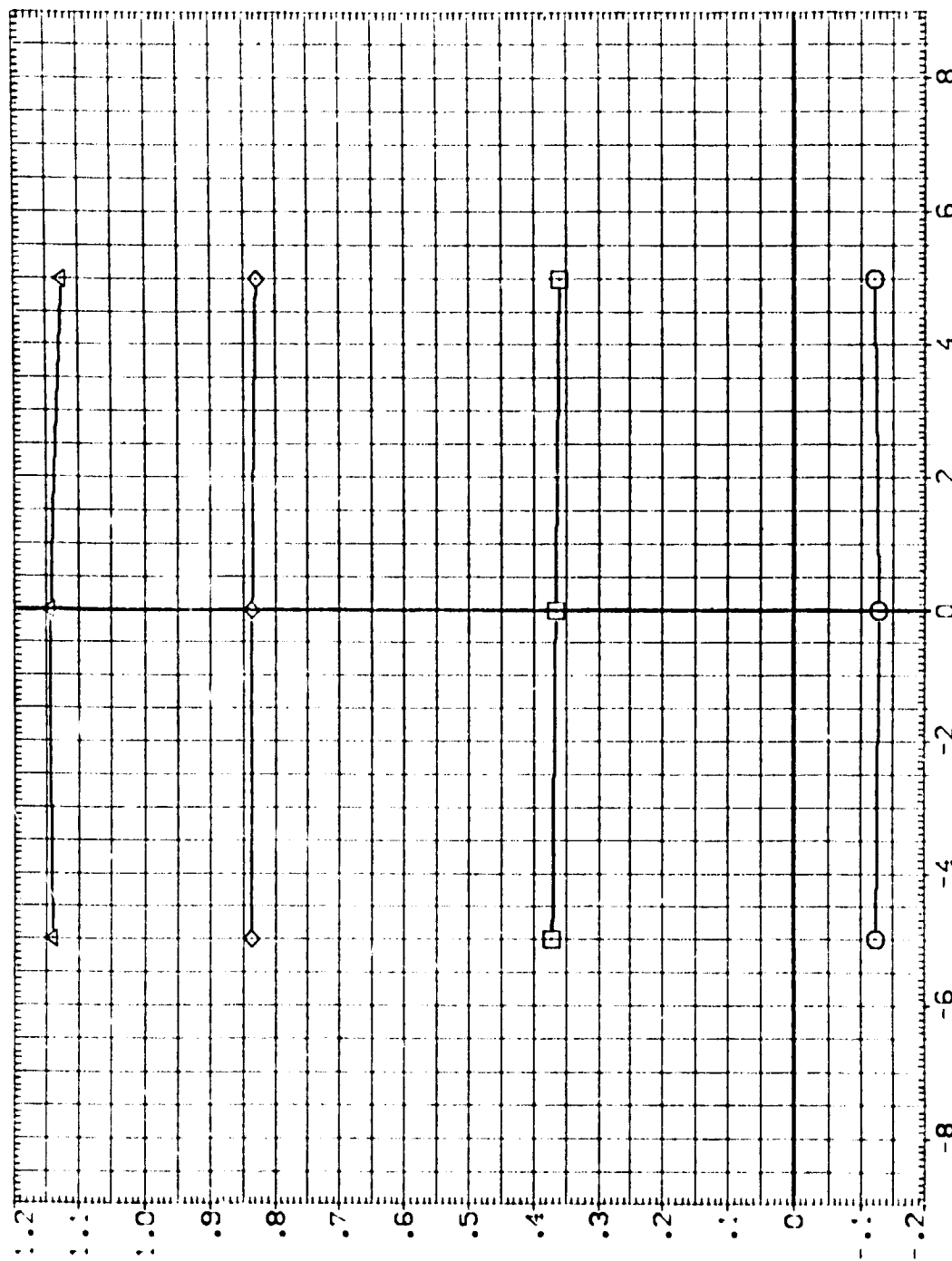


FIG. 12 B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = 1.55, ELEVON = -20

AMES 97-716 0A22B B26 C9 F8 M7 N28 V8R5 W116 E26(1B4017)

SYMBOL  
○  
◇  
△  
□

ALPHA  
.000  
10.000  
20.000  
27.000

MACH  
RUDDER

PARAMETRIC VALUES  
1.550 ELEVON -20.000  
.000 SPOONK .000

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
LREF 38.7090 IN.  
BREF 38.7090 IN.  
XMRP 29.5420 IN.  
YMRP .0000 IN.  
ZMRP .0000 IN.  
SCALE .0300

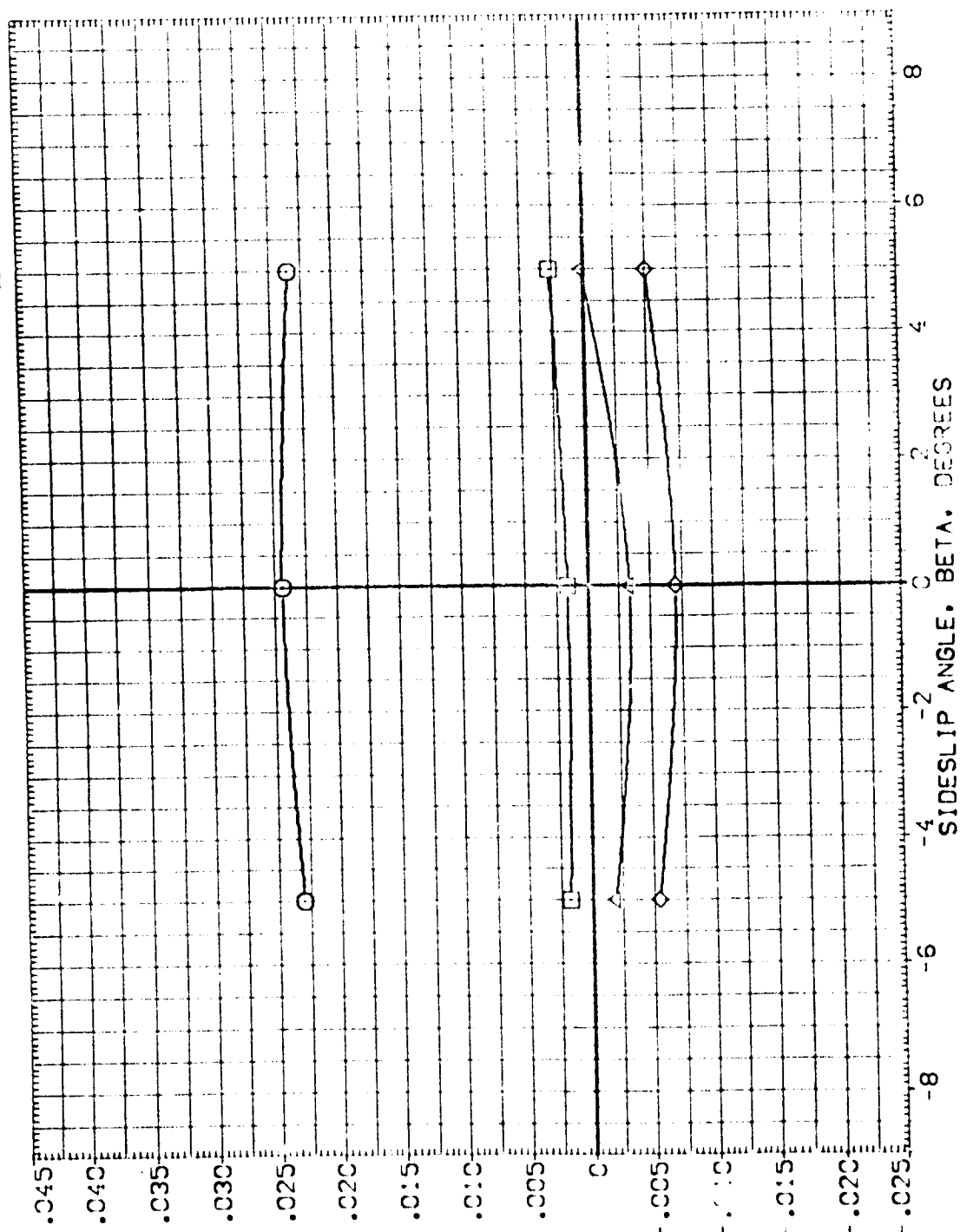


FIG. 12 B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = 1.05, ELEVON = -20

AVES 97-716 CA22B B26 C9 F8 W7 N28 V8R5 W116 E26 (184017)

SYMBOL

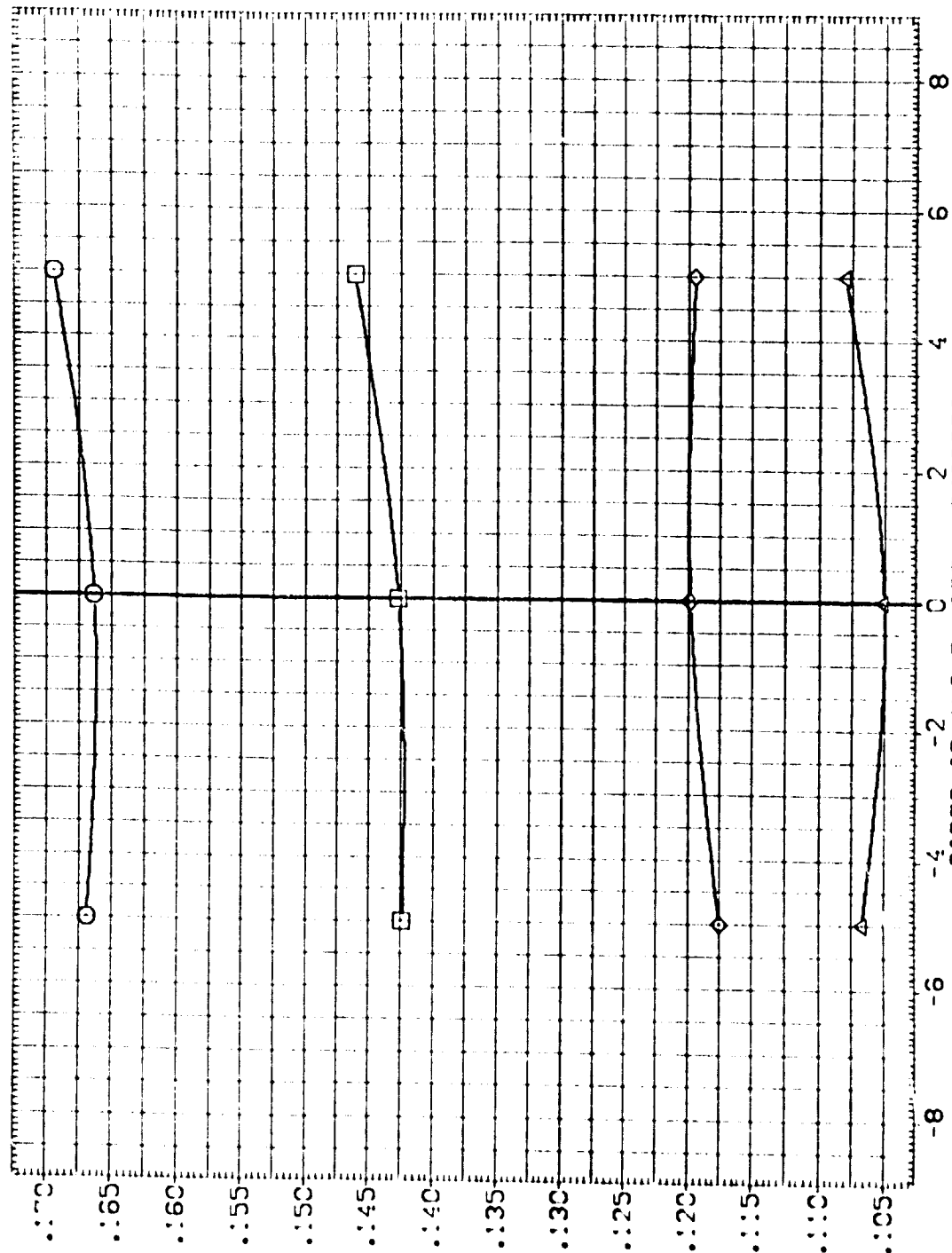
ALPHA  
.000  
10.000  
20.000  
27.000

MACH  
RUDER

PARAMETRIC VALUES  
1.550 ELEVON  
.000 SPOON

-20.000  
.000

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
LRES 38.7090  
BRES 38.7090  
XVRS 25.5120  
YVRS .0000  
TVRS .0000  
SCALE .0300



AXIAL FORCE COEFFICIENT, CA

FIG. 12 326 C9 F8 W7 N28 V8 R5 W116 E26 . MACH = 1.55 , ELEVON = -20



AVES 97-7.6 CA228 326 C9 F8 M7 N28 V8R5 W1.6 E26(184017)

SYMBOL  
○  
◇  
△

ALPHA  
.000  
10.000  
20.000  
27.000

MACH  
RUDER

PARAMETRIC VALUES  
1.550 ELEVON  
.000 SPDRK  
-20.000

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
LREF 38.7090 IN.  
BREF 38.7090 IN.  
XVRB 25.5420 IN.  
YVRB .0000 IN.  
ZVRB .0000 IN.  
SCALE .0300

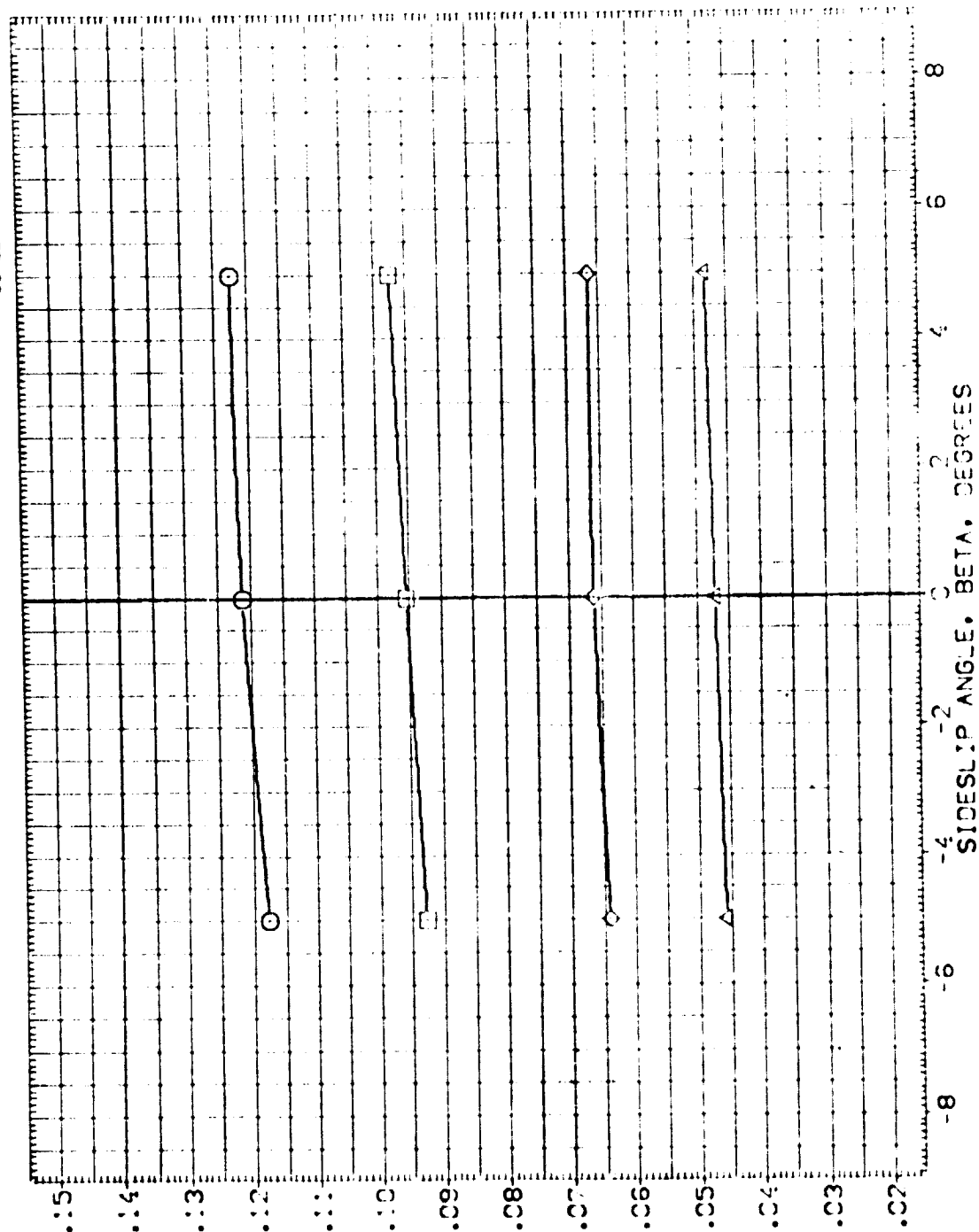


FIG. 12 326 C9 F8 M7 N28 V8 R5 W1.6 E26 • MACH = 1.55 • ELEVON = -20

AVES 97-016 CA228 B26 C9 F8 W7 N28 V8R5 W116 E26(194017)

SYMBOL  
 ○  
 ◇  
 △  
 □  
 ⊙

ALPHA  
 .000  
 10.000  
 20.000  
 30.000

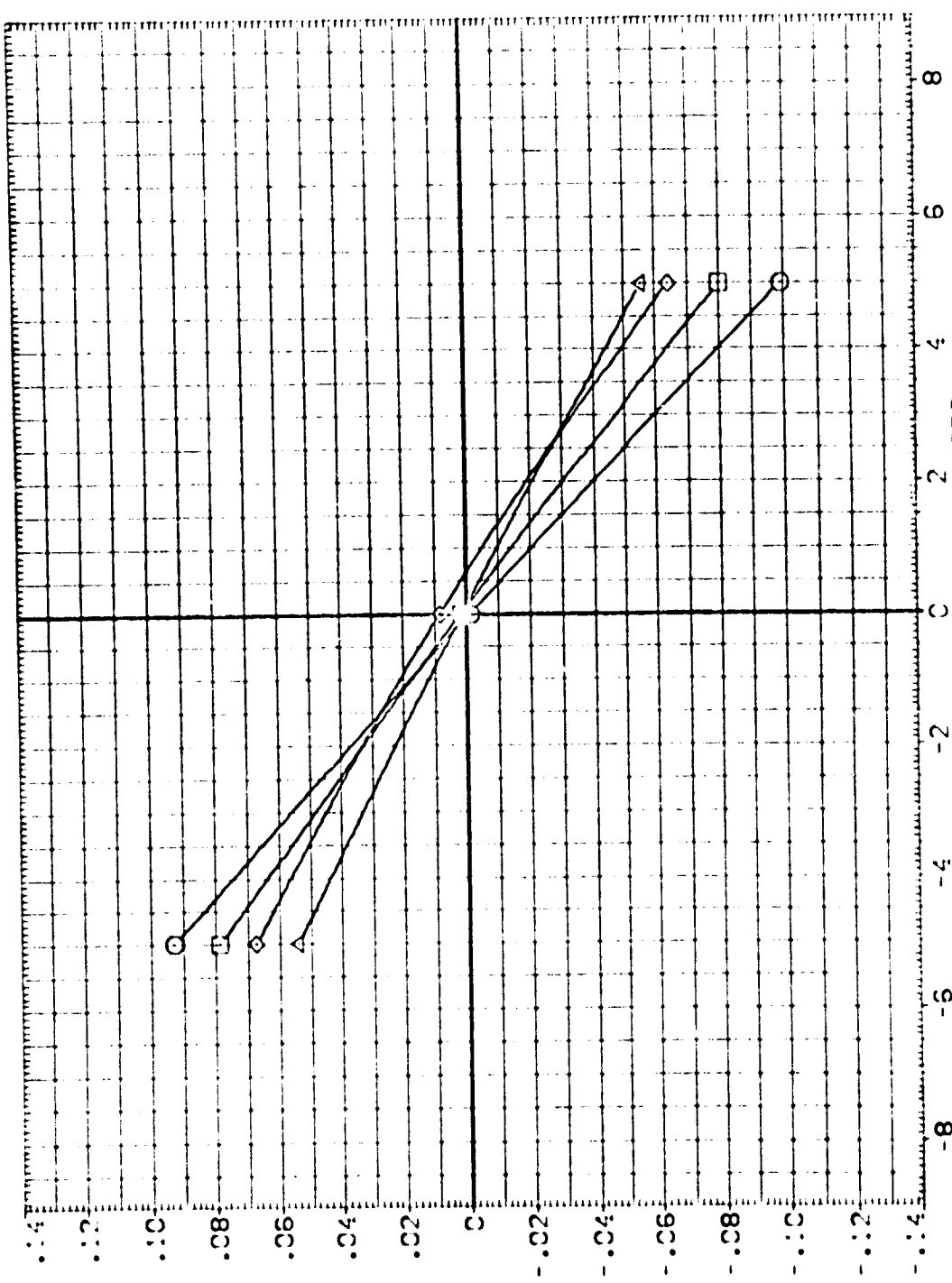
MACH  
 1.550

RUDER  
 .000

PARAMETRIC VALUES  
 ELECN  
 -20.000

SPDRK  
 .000

REFERENCE INFORMATION  
 SQ.FT.  
 SREF 2.4210  
 LREF 38.7090  
 BREF 38.7090  
 XREF 25.5420  
 YREF .0000  
 ZREF .0000  
 SCALE .0300



SIDE FORCE COEFFICIENT, CY

SIDESLIP ANGLE, BETA, DEGREES

FIG. 12 B26 C9 F8 W7 N28 V8 R5 W116 E26, MACH = 1.55, ELEVON = -20

AVES 97-116 CA228 B26 C9 F8 M7 N28 V8R5 W116 E26(194017)

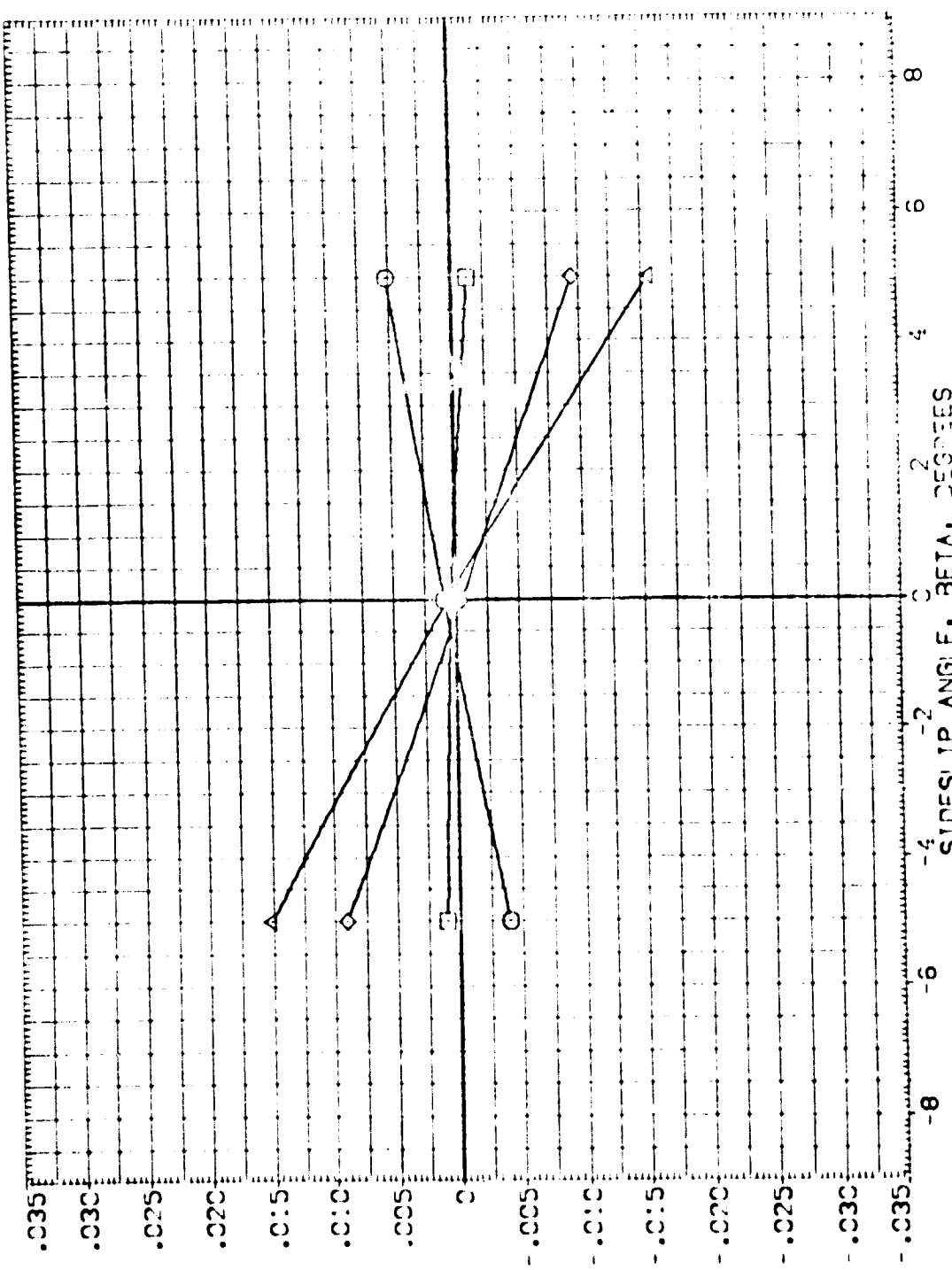
SYMBOL  
○  
◇  
□

ALPHA  
.000  
10.000  
20.000  
30.000

MACH  
RUDDER

PARAMETRIC VALUES  
1.550  
.000  
ELEVON  
SPDRK  
-20.000  
.000

REFERENCE INFORMATION  
SREF 2.4210  
LREF 38.7050  
BREF 38.7050  
XREF 38.5420  
YREF .0000  
ZREF .0000  
SCALE .0300



YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

FIG. 12 B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = 1.55, ELEVON = -20

AVES 97-716 04228 B26 C9 F8 W7 N28 V8R5 W116 E26(184017)

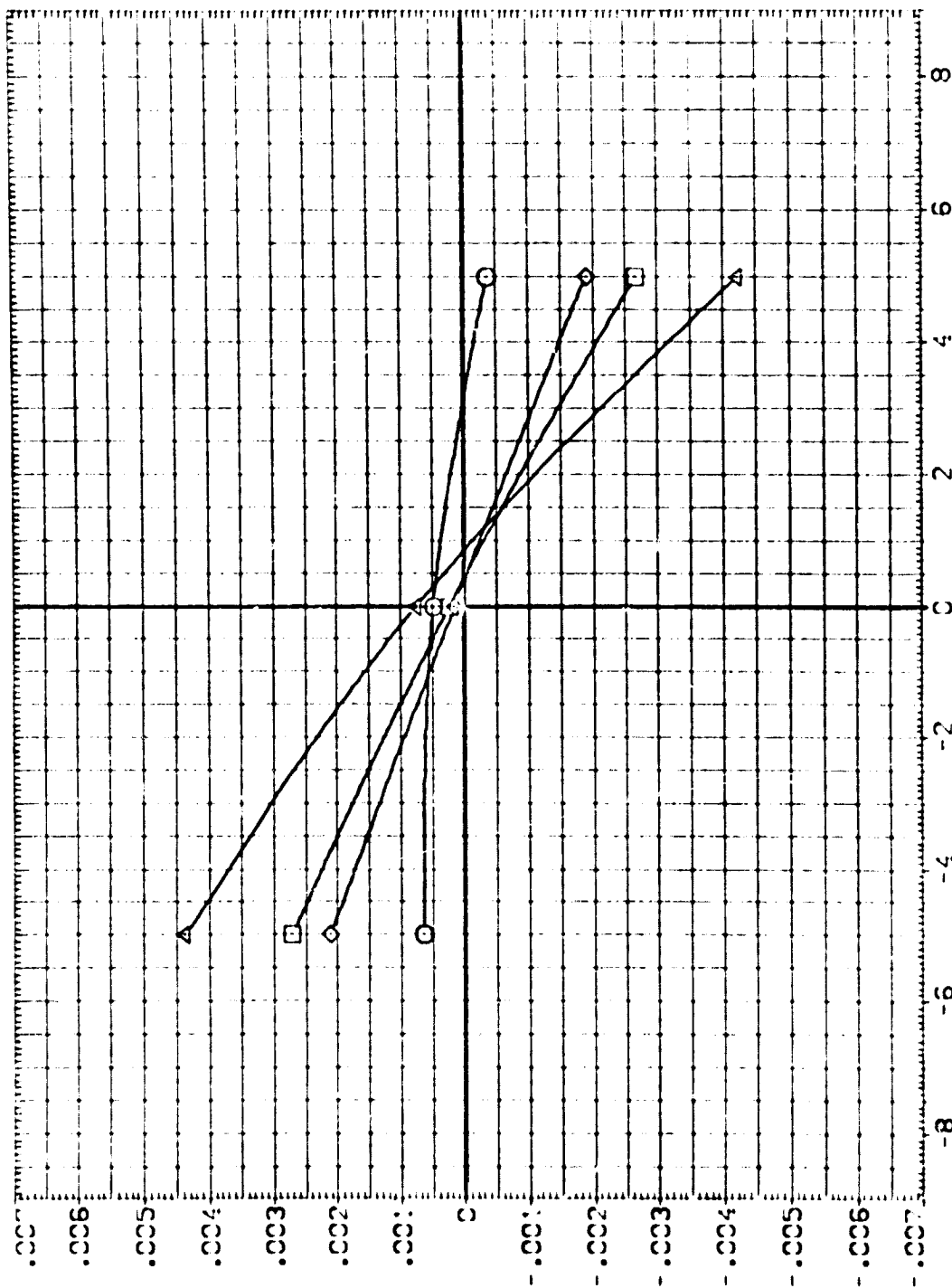
SYMBOL  
○ ○ ○ ○

ALPHA  
.000  
10.000  
20.000  
30.000

MACH  
PLODER

PARAMETRIC VALUES  
1.550 ELEVON -20.000  
.000 SPOBR .000

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
REF 38.1000  
BREF 38.1000  
ZS 25.5400  
V800 .000000  
V800 .000000  
SCALE .0300



ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

FIG. 12 B26 C9 F8 W7 N28 V8 R5 W116 E26, MACH = 1.55, ELEVON = -20

AVES 97-716 0A22B 826 C9 F8 M7 N28 V8R5 W116 E26(184017)

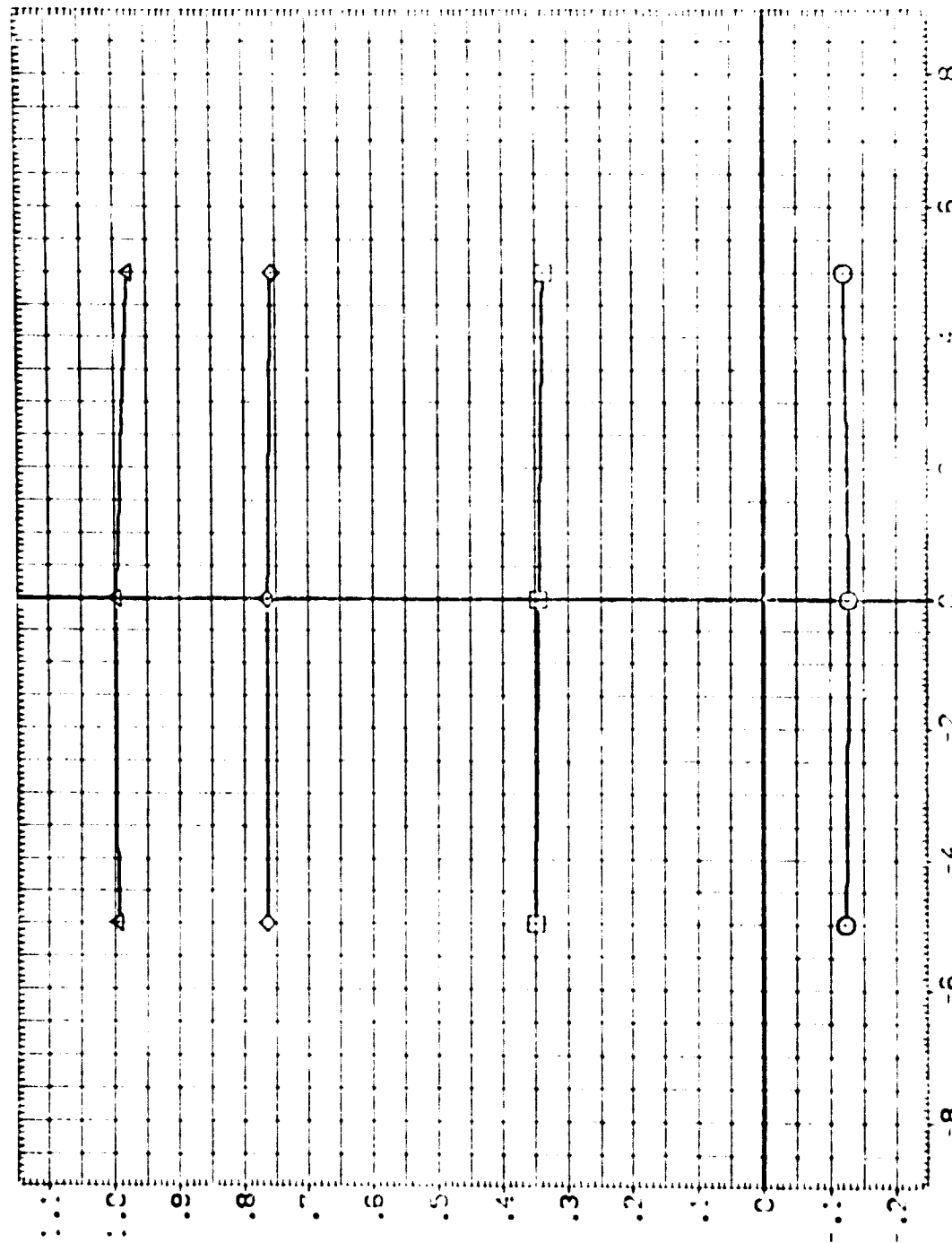
SYMBOL

ALPHA  
-0.000  
10.000  
20.000  
30.000

MACH  
RUDER

PARAMETRIC VALUES  
1.550 ELEVON -20.000  
.000 SPOILER .000

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
LREF 38.7090  
BREF 38.7090  
VREF 25.5470  
WREF .0000  
TREF .0000  
SCALE .0300



LIFT COEFFICIENT, CL

SIDESLIP ANGLE, BETA, DEGREES

FIG. 12 826 C9 F8 M7 N28 V8 R5 W116 E26 • MACH = 1.55 • ELEVON = -20

01104

ALPHA  
10,000  
20,000  
27,000

**MAJOR**  
**BLADE**

PARAMETRIC VALUES

-20.000  
300

REFERENCE INFORMATION	
SREF	2.4210
LREF	38.7090
BREF	38.7090
XREF	25.5420
YREF	.0000
ZREF	.0000
SCALE	.0300

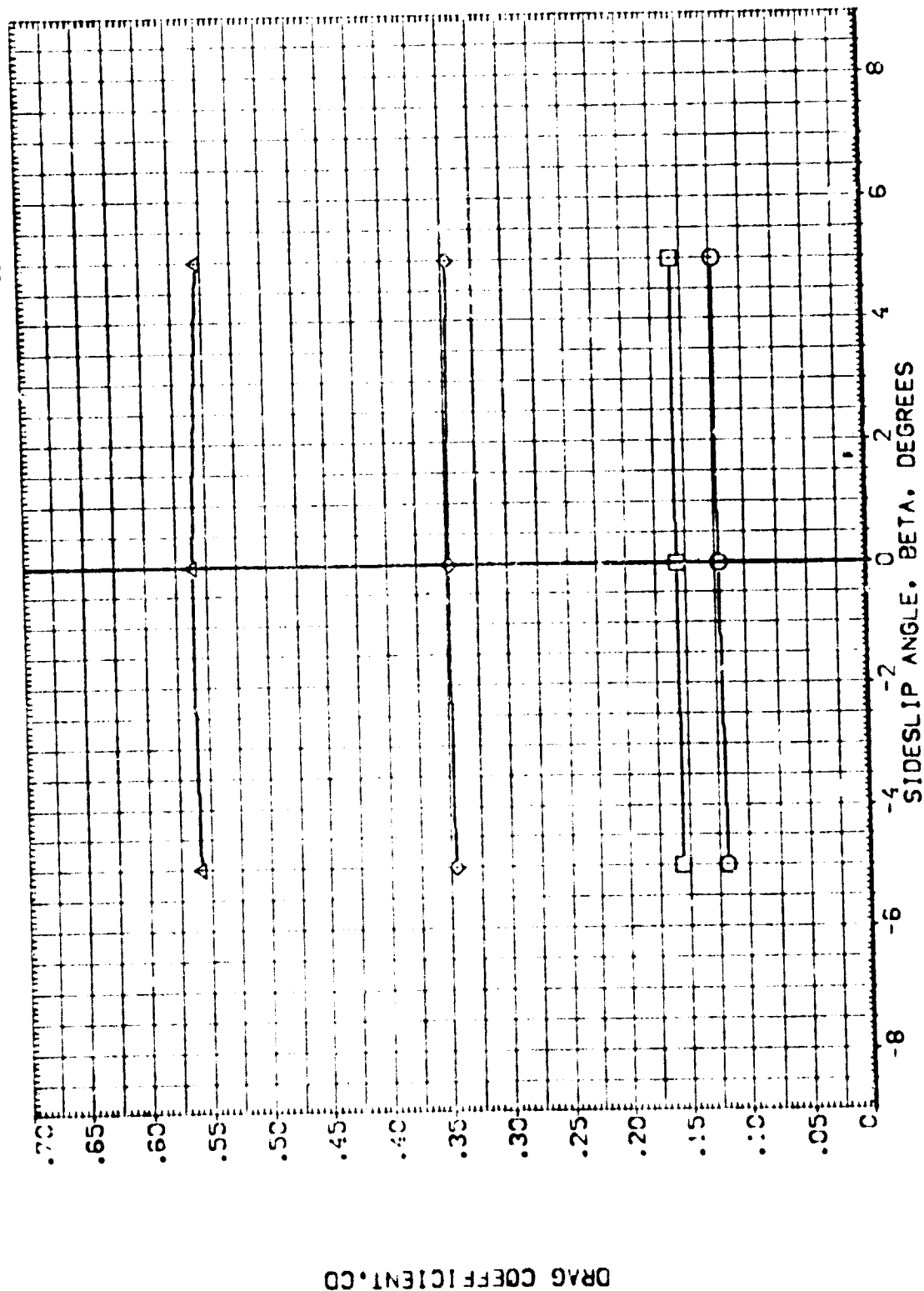


FIG. 12 826 C9 F8 Y7 N28 V9 R5 W116 E26 . MACH = 1.55 . ELEVON = -20

AMES 97-716 CA228 B26 C9 F8 M7 N28 V8R5 W116 E26 (1B4018)

SYMBOL ALPHA  
 0.000  
 10.000  
 20.000  
 27.000

MACH  
 RUDDER  
 2.201  
 .000  
 ELEVON  
 SPDRK  
 -20.000  
 .000

REFERENCE INFORMATION  
 SREF 2.4210  
 LREF 38.7090  
 BREF 38.7090  
 XMRP 25.5420  
 YMRP .0000  
 ZMRP .0000  
 SCALE .0300

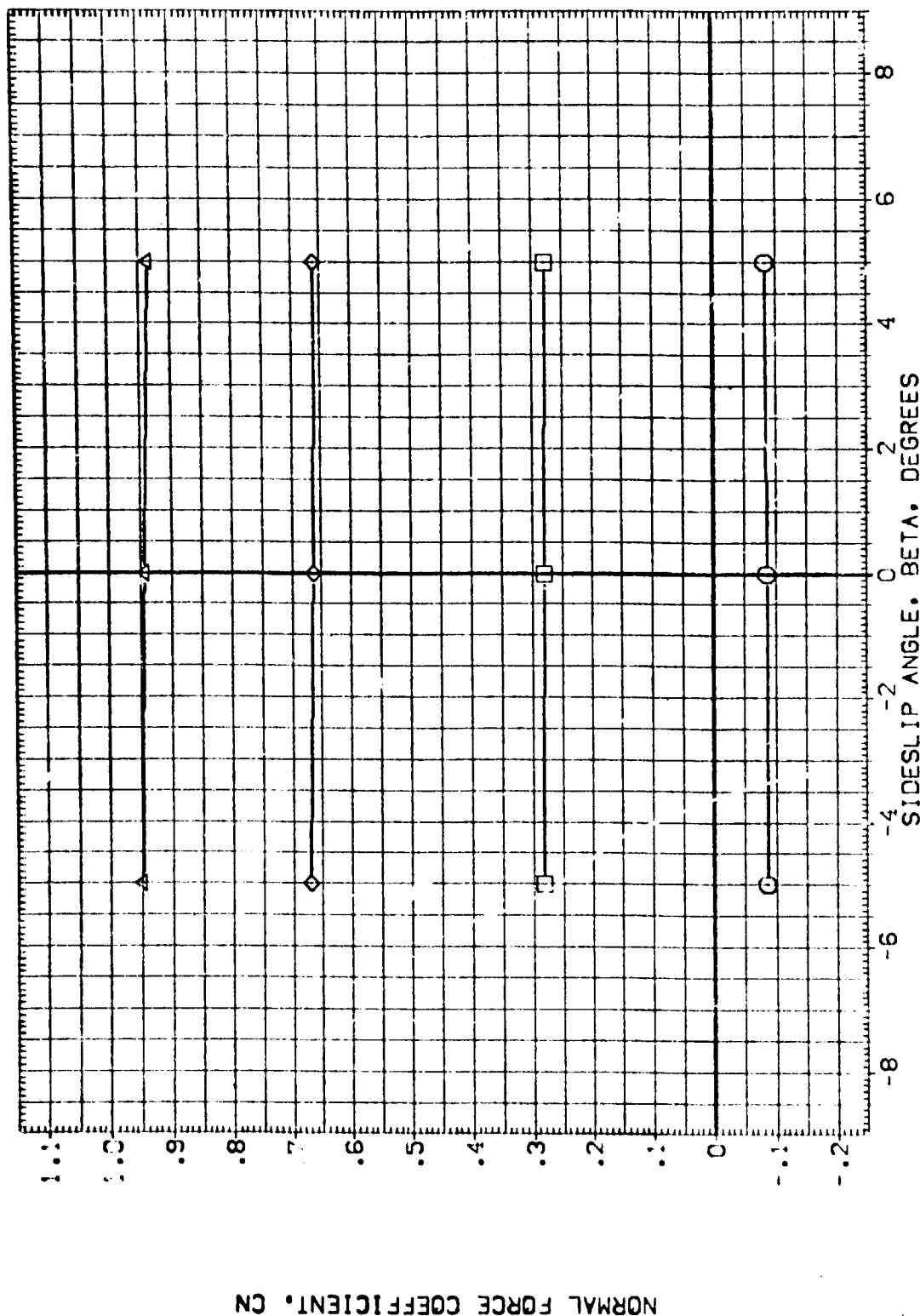


FIG. 13 B26 C9 F8 M7 N28 V8 R5 W116 E26 , MACH = 2.2 , ELEVON = -20



AMES 97-7:16 CA22B 326 C9 F8 M7 N28 V8R5 W116 E26(184018)

SYMBOL  
ALPHA  
.000  
10.000  
20.000  
27.000

PARAMETRIC VALUES  
MACH  
2.201  
ELEVON  
-20.000  
SPDBK  
.000

REFERENCE INFORMATION  
SREF 2.4210  
LREF 38.7090  
BREF 38.7090  
XREF 25.5420  
YREF .0000  
ZREF .0000  
SCALE .0300

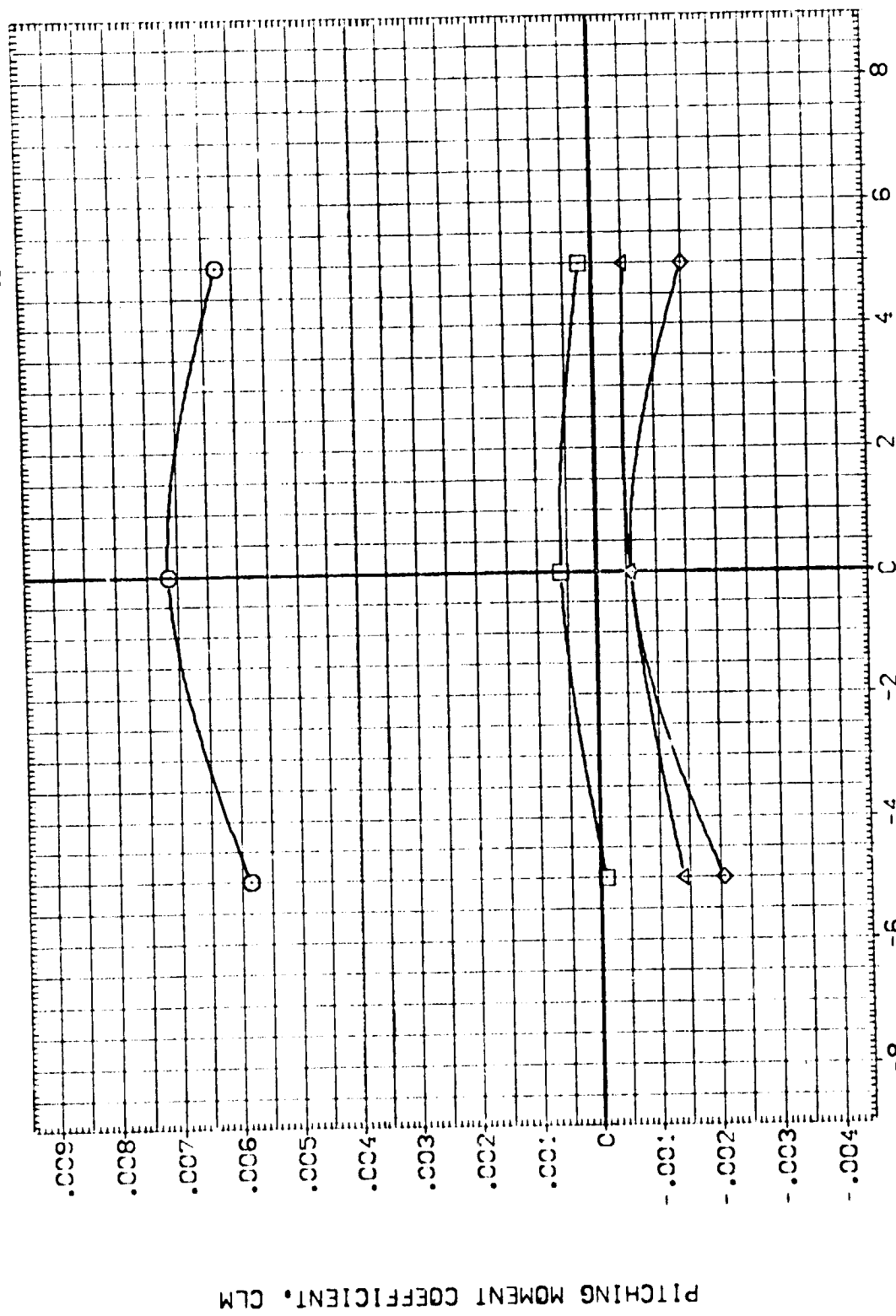


FIG. 13 B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = 2.2, ELEVON = -20



AMES 97-716 CA228 B26 C9 F8 M7 N28 V8R5 W116 E26(184018)

SYMBOL  
 ○  
 ◇  
 △

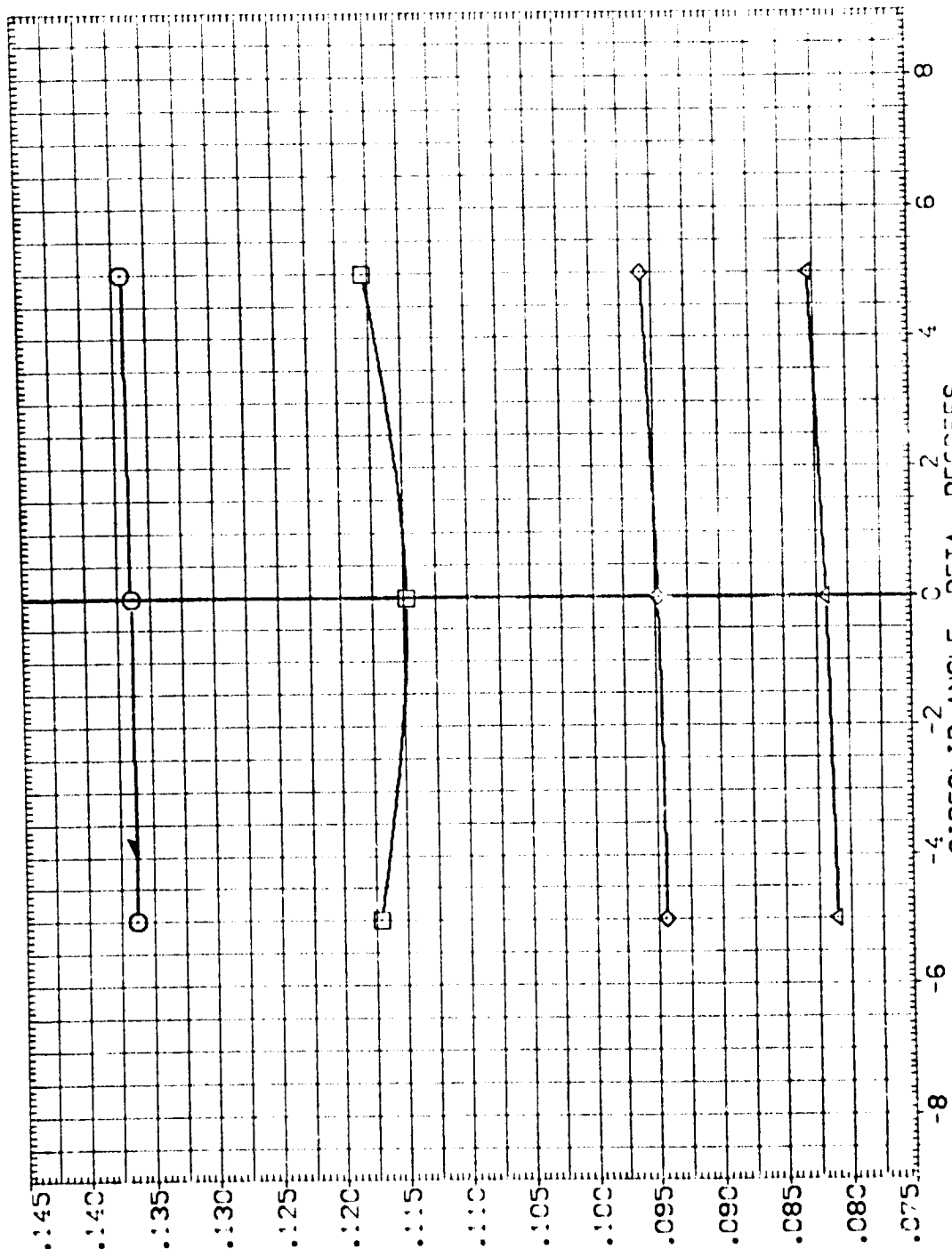
ALPHA  
 .000  
 10.000  
 20.000  
 27.000

MACH  
 RUDDER

PARAMETRIC VALUES  
 2.201  
 .000  
 .000  
 .000

ELEVON  
 -20.000  
 .000

REFERENCE INFORMATION  
 SREF 2.4210 50.FT.  
 LREF 38.7090 IN.  
 BREF 38.7090 IN.  
 XMRP 25.5420 IN.  
 YMRP .0000 IN.  
 ZMRP .0000 IN.  
 SCALE .0300



AXIAL FORCE COEFFICIENT, CA

FIG. 13 B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = 2.2, ELEVON = -20



AVES 97-7:6 CA223 B26 C9 F8 M7 N28 V8R5 W116 E26(184018)

SYMBOL  
○  
◇  
△

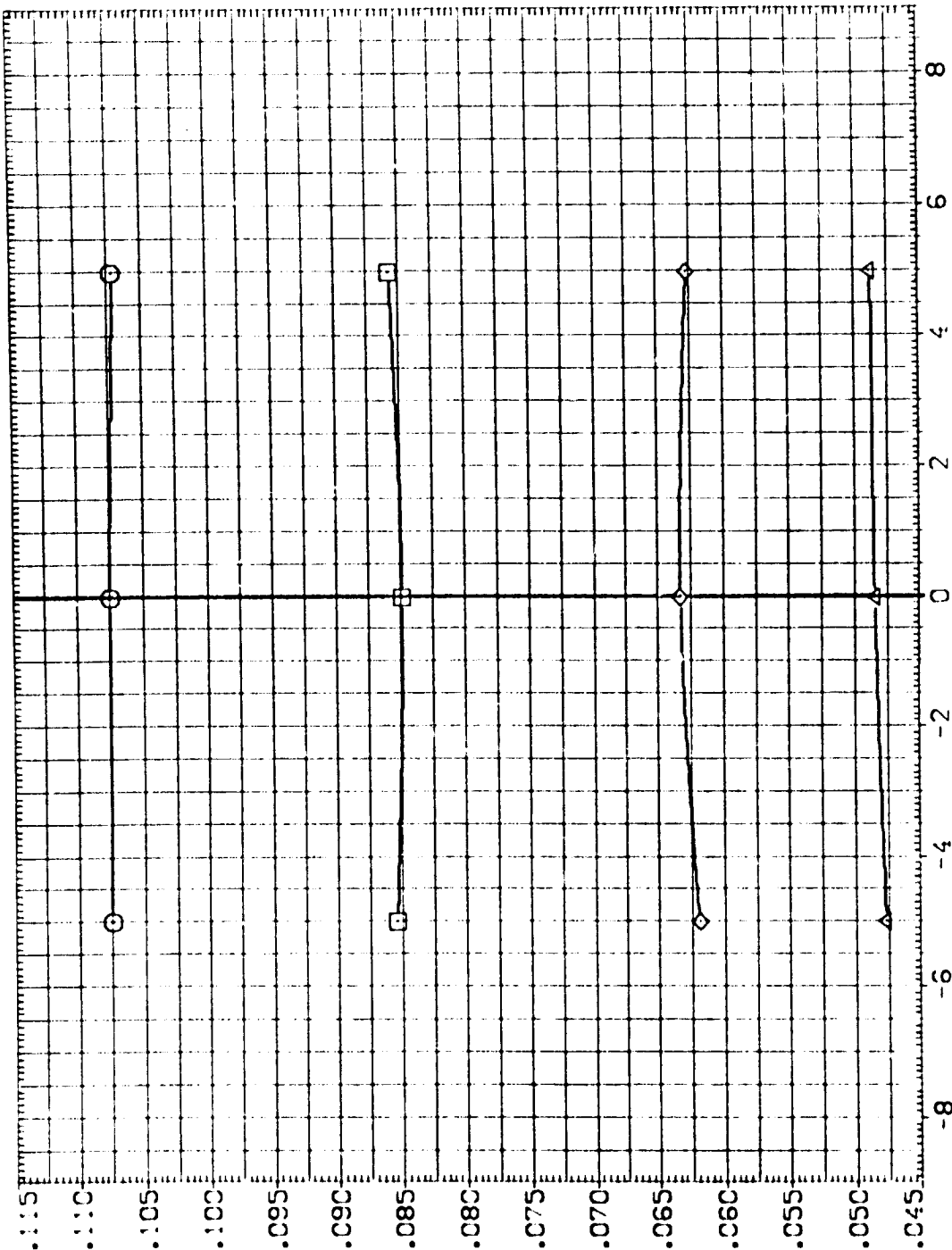
ALPHA  
.000  
10.000  
20.000  
27.000

MACH  
RUDDER

PARAMETRIC VALUES  
2.20: ELEVON  
.000: SPDRX

-20.000  
.000

REFERENCE INFORMATION  
SREF 2.4210  
LREF 38.1090  
BREF 38.7090  
XREF 25.5420  
YREF .0000  
ZREF .0000  
SCALE .0300



FOREBODY AXIAL FORCE COEFFICIENT, CAF

SIDESLIP ANGLE, BETA, DEGREES

FIG. 13 B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = 2.2, ELEVON = -20

AVES 97-716 CA22B B26 C9 F8 M7 N28 V8R5 W116 E26(1B4018)

SYMBOL  
O  
X  
X

ALPHA  
.000  
10.000  
20.000  
27.000

MACH  
RUDDER

PARAMETRIC VALUES  
2.20: ELEVON -20.000  
.000 SPDBRK .000

REFERENCE INFORMATION  
SREF 2.4210 SQ.FT.  
LREF 38.7090  
BREF 38.7090  
YPRP 25.5420  
YMRP .6000  
ZMRP .6000  
SCALE .0300

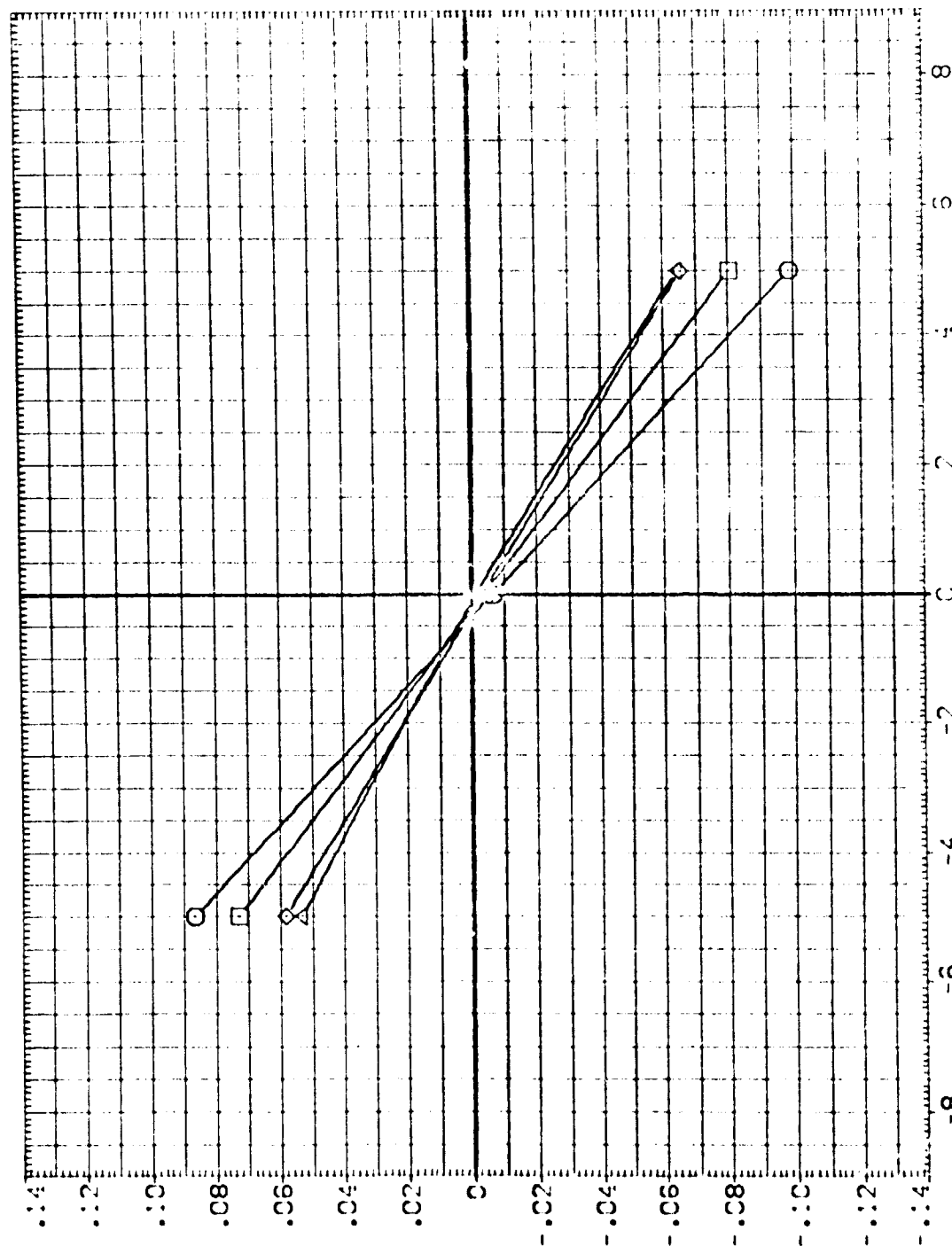


FIG. 13 B26 C9 F8 M7 N28 V8 R5 W116 E26 , MACH = 2.2 , ELEVON = -20



AXES 97-7:16 CA223 B26 C9 F8 M7 N28 V8R5 W116 E26 (184018)

SYMBOL  
○ □ ◇

PARAMETRIC VALUES	
ALPHA	2.001
MACH	ELEVON
RUDDER	SPOILER
0.000	-20.000
10.000	.000
20.000	
30.000	

REFERENCE INFORMATION  
SQ.FT.  
SREF 2.4210  
LREF 38.7090  
BREF 38.7090  
XVPO 25.5420  
YVPO .0000  
ZVPO .0000  
SCALE .0300

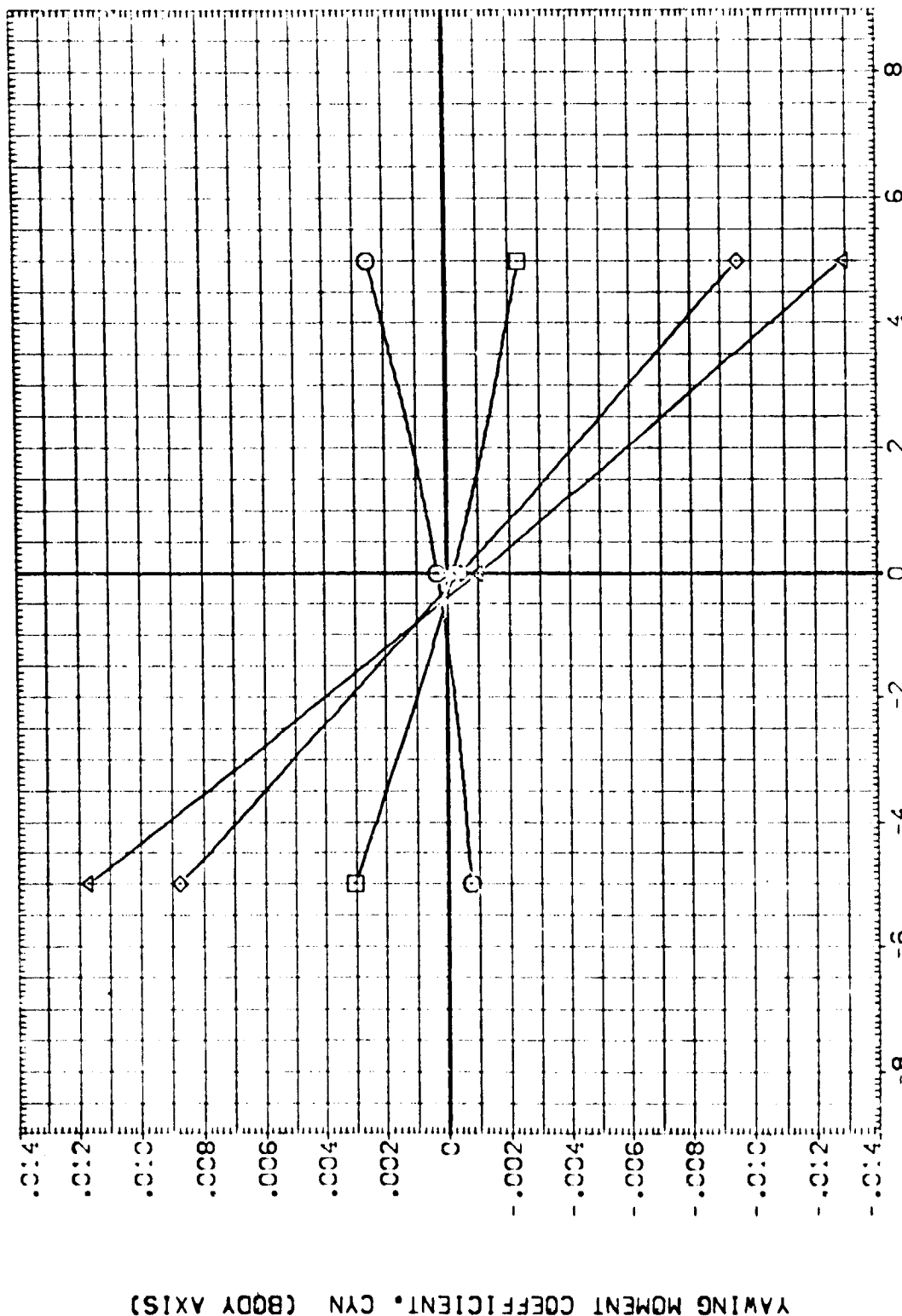


FIG. 13 B26 C9 F8 M7 N28 V8 R5 W116 E26 , MACH = 2.2 , ELEVON = -20

AVES 97-716 CA223 B25 C9 F8 M7 N28 V8R5 W116 E26(184018)

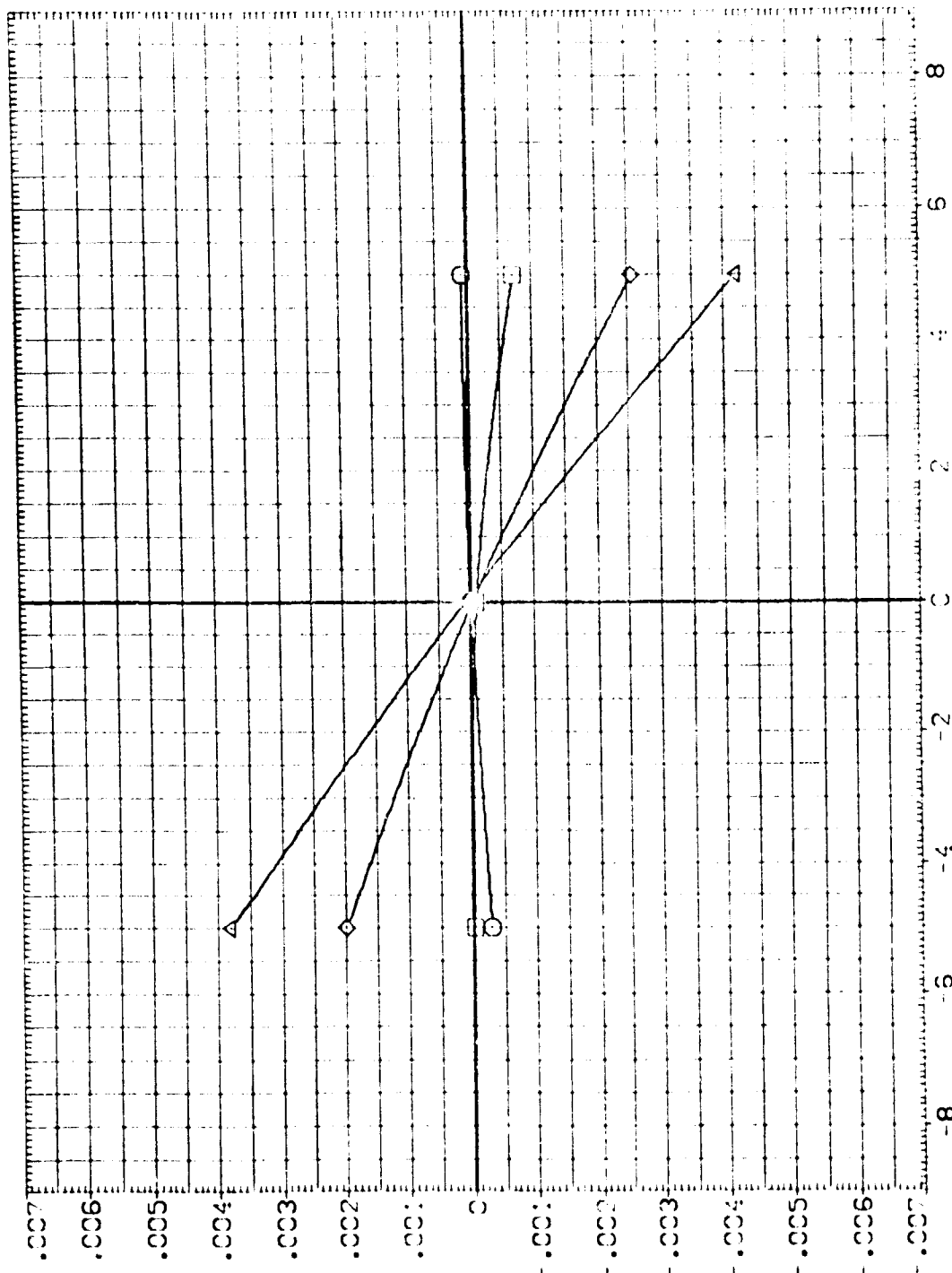
SYMBOL  
 O  
 X  
 Δ

ALPHA  
 .000  
 10.000  
 20.000  
 27.000

MACH  
 RUDER

PARAMETRIC VALUES  
 2.201 ELEVON -20.000  
 .000 SPOBRK .000

REFERENCE INFORMATION  
 SREF 2.4210 SQ.FT.  
 LREF 38.7090 IN.  
 BREF 38.7090 IN.  
 XREF 25.5420 IN.  
 YREF .0000 IN.  
 ZREF .0000 IN.  
 SCALE .0300



ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

SIDESLIP ANGLE, BETA, DEGREES

FIG. 13 B26 C9 F8 M7 N28 V8 R5 W116 E26, MACH = 2.2, ELEVON = -20

AVES 90015 04203 326 C9 F8 W7 N28 V8P5 W116 E26 (IB4018)

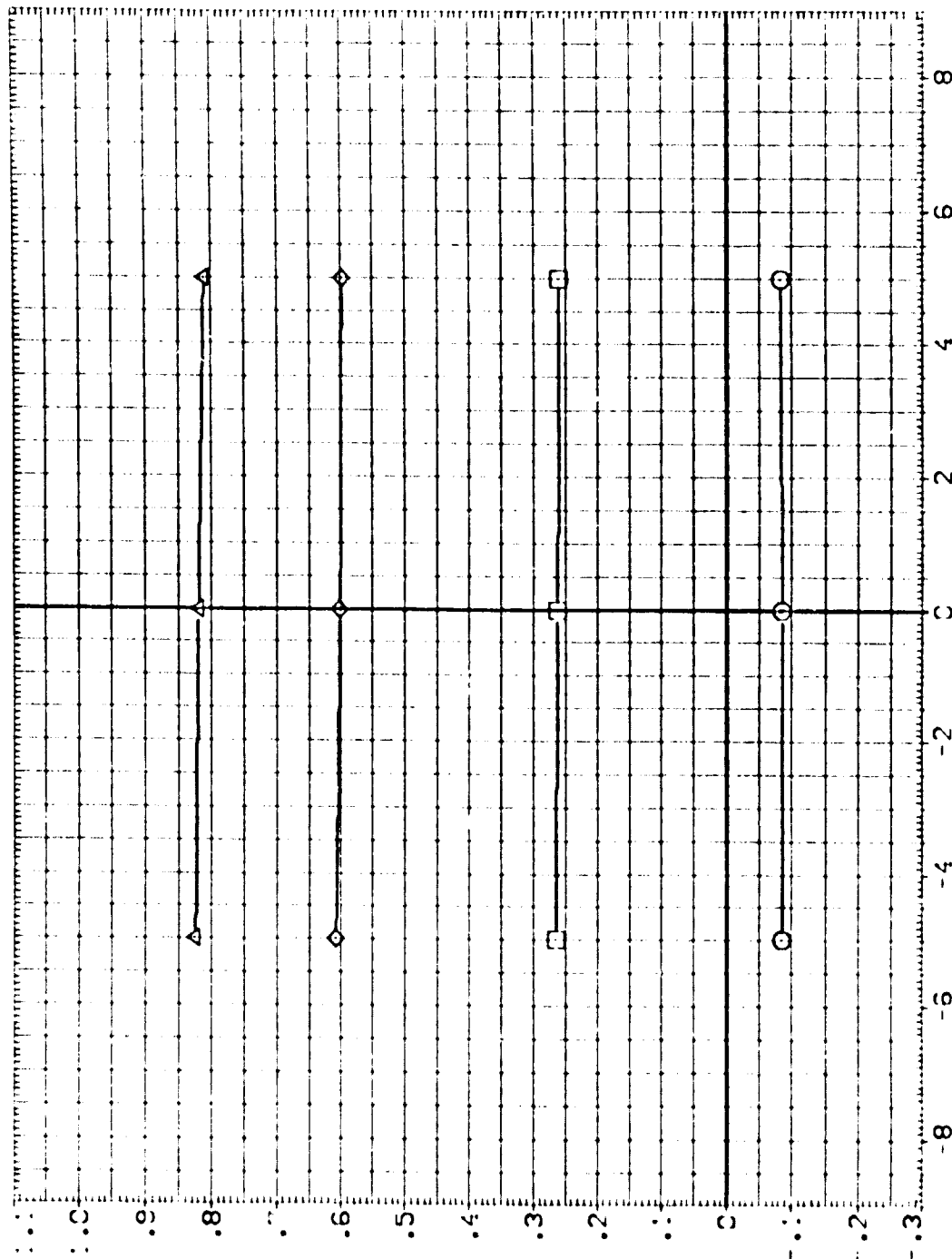
SYMBOL  
○

ALPHA  
.000  
10.000  
20.000  
30.000

MACH  
PLUDDER

PARAMETRIC VALUES  
2.201 ELEV. -20.000  
.000 SP03P-.000

REFERENCE INFORMATION  
SREF 2.4210 50.FT.  
LREF 38.0090  
BREF 38.0090  
XREF 25.5410  
YREF .0000  
ZREF .0000  
SCALE .0300



LIFT COEFFICIENT, CL

SIDESLIP ANGLE, BETA, DEGREES

FIG. 13 326 C9 F8 W7 N28 V8 R5 W116 E26, MACH = 2.2, ELEVON = -20

AMES 97-716 CA22B 326 C9 F8 V7 N28 V8R5 W116 E26(194018)

SYMBOL

ALPHA  
0  
10.000  
20.000  
30.000

MACH  
RUDER

PARAMETRIC VALUES

2.201 ELEVON -20.000  
.000 SPOON .000

REFERENCE INFORMATION

SREF 2.4210 SQ.FT.  
LREF 38.7050 IN.  
BREF 38.7050 IN.  
XREF 25.5420 IN.  
YREF .0000 IN.  
ZREF .0000 IN.  
SCALE .0000

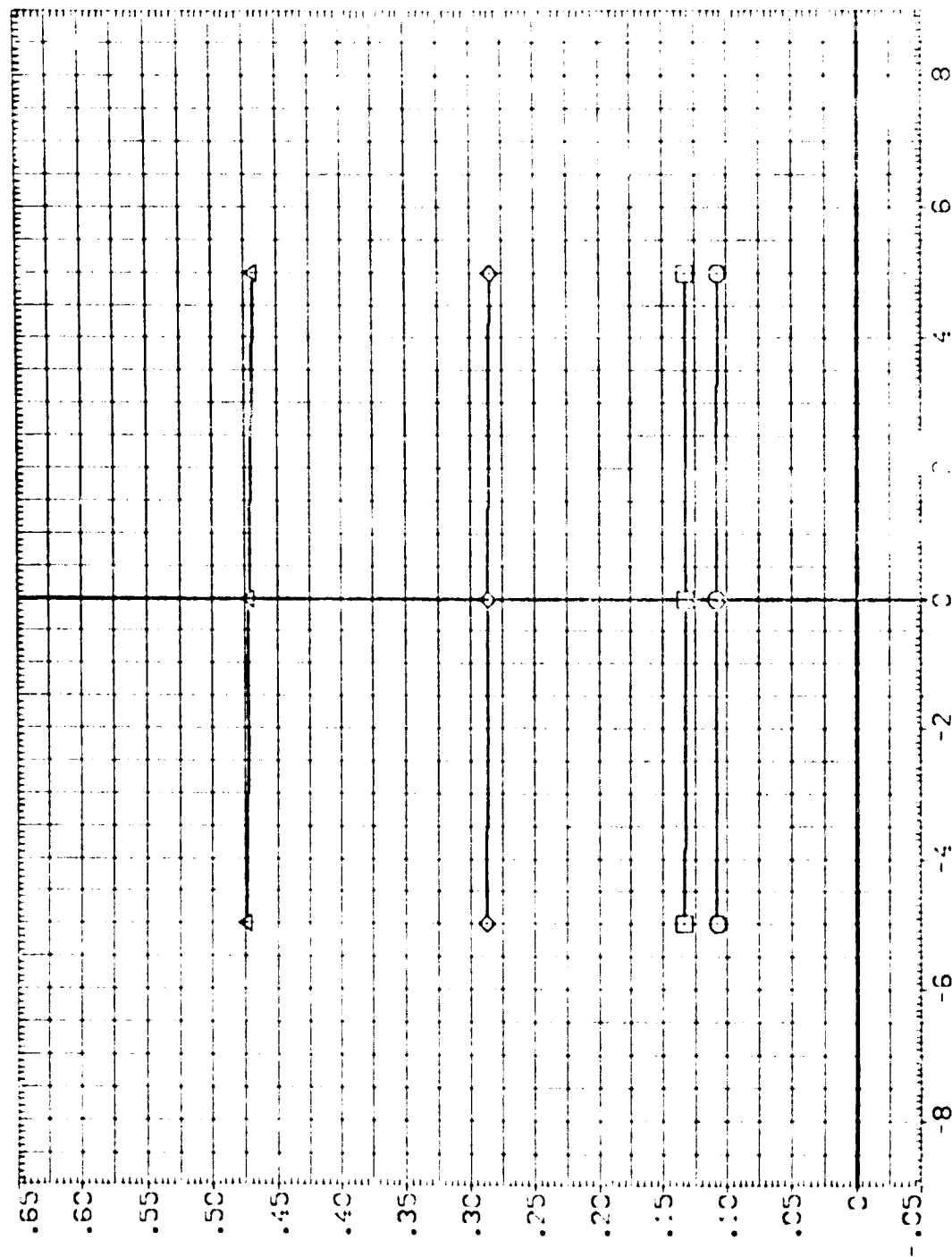


FIG. 13 326 C9 F8 V7 N28 V8R5 W116 E26, MACH = 2.2, ELEVON = -20

DATA FIGURES  
(PRESSURE)

Note: Correspondence between parameter values and plot grids (multiple grids per page) - first parameter value is presented on left hand grid.



ARC97-715 CA22 C1

ORB. FUSELAGE (R84B15)

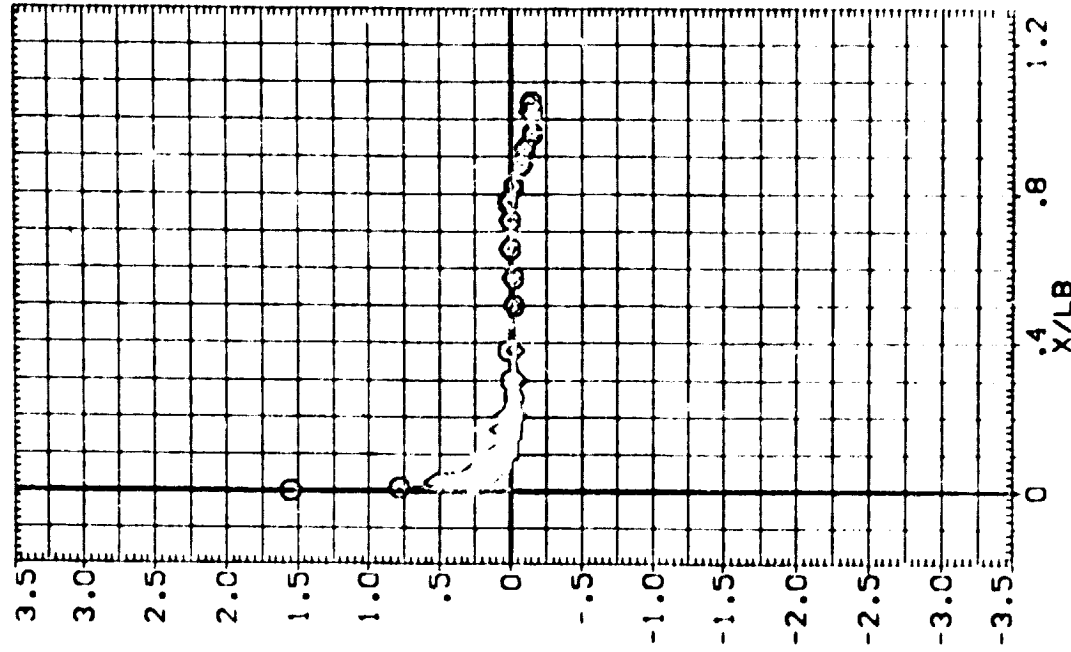
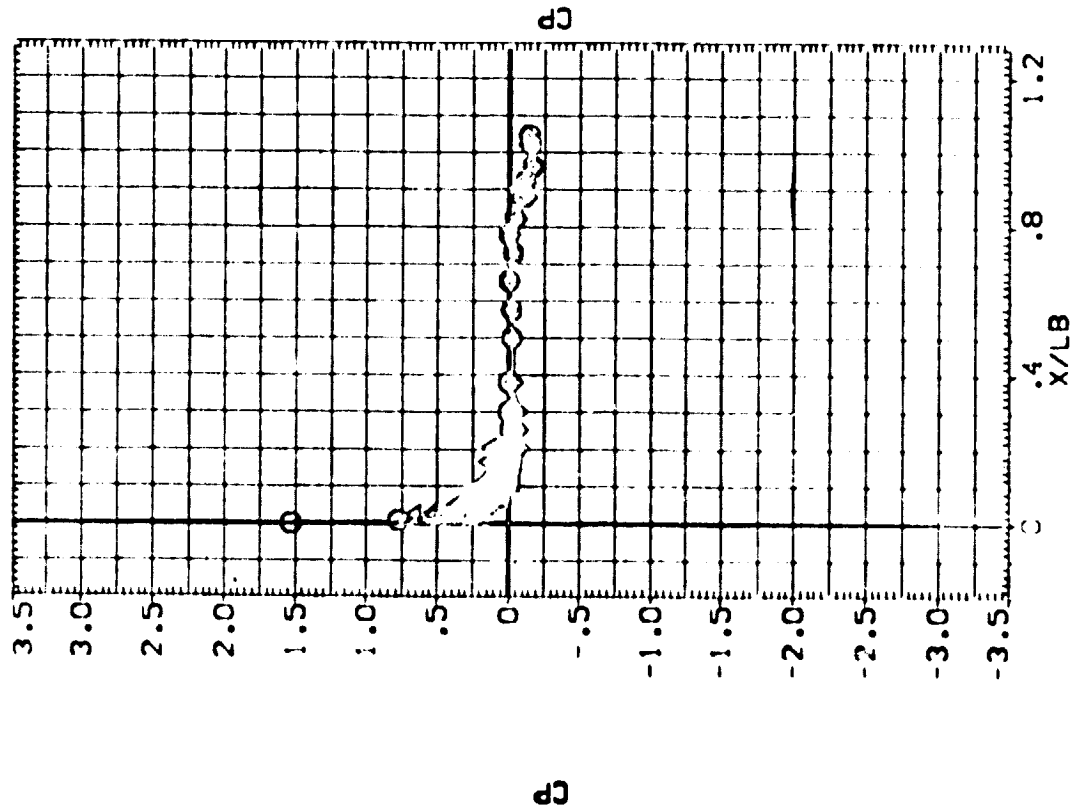
SYMBOL  
 ○ □ ◇ △

PMI  
 .000  
 20.000  
 40.000  
 55.000

BETA  
 -4.940  
 .000

ALPHA  
 -.130

PARAMETRIC VALUES  
 MACH 1.550 ELEVON .000  
 RUDDER .000 SPOILER .000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

ARC97-716 0A22 01

ORB. FUSELAGE (RB4B15)

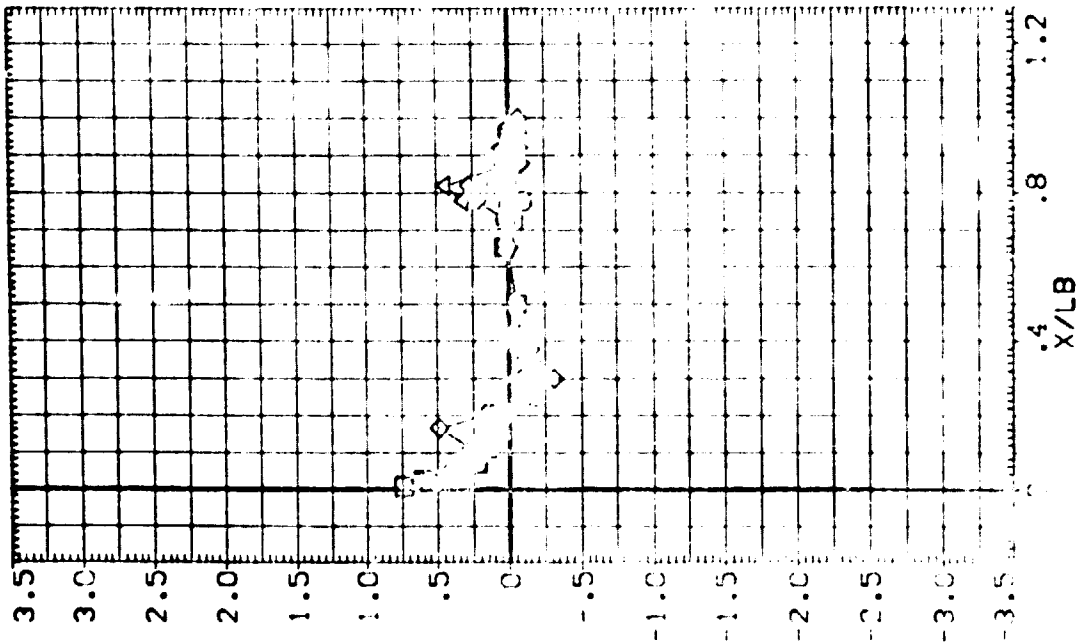
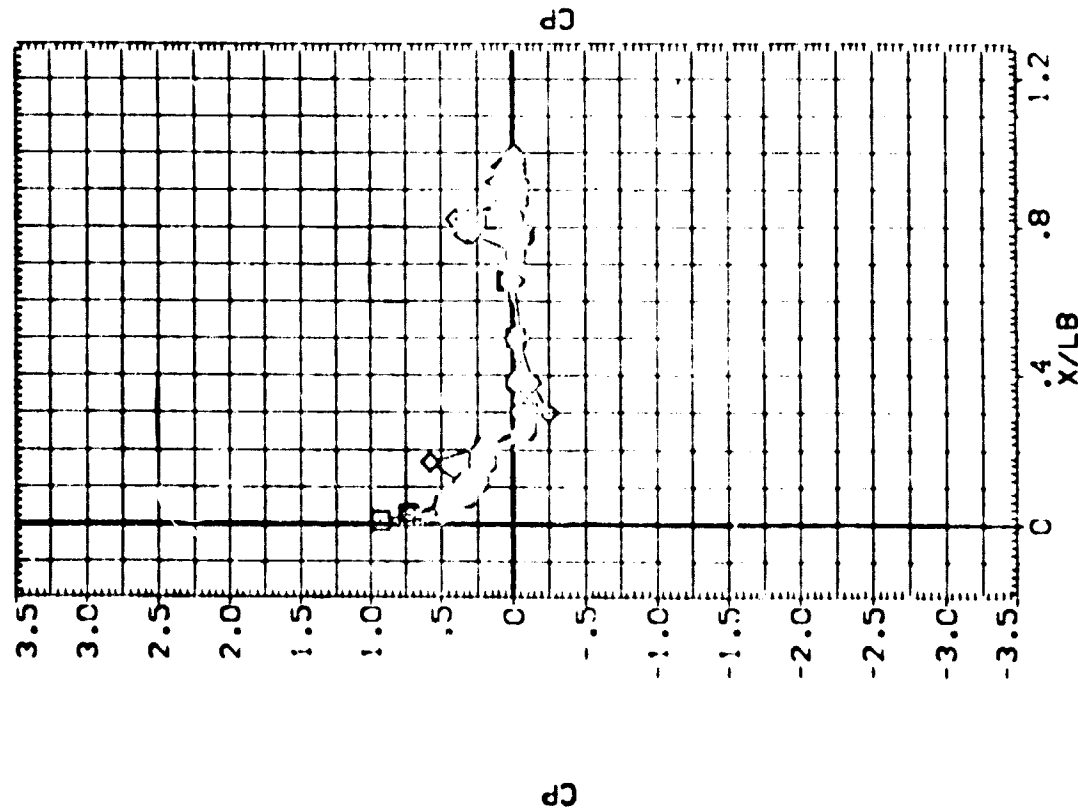
SYMBOL  
 O  
 X  
 Δ

PHI 70.000  
 90.000  
 120.000  
 150.000

BETA -4.940  
 .000

ALPHA -.130

PARAMETRIC VALUES  
 MACH 1.550  
 RUDDER .000  
 ELEVON .000  
 SPOILER .000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



ARC97-716 CA22 01

ORB. FUSELAGE (RB4B15)

SYMBOL

○ ○ ○

150.000  
165.000  
180.000

DELTA  
-4.940  
.08C

ALPHA  
-1.30

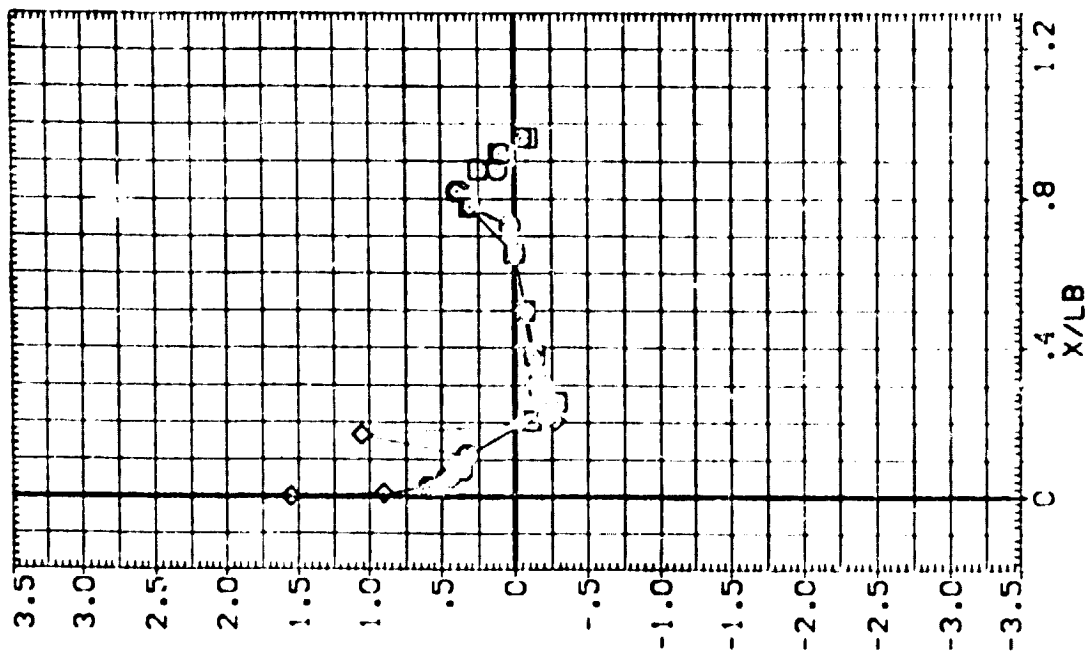
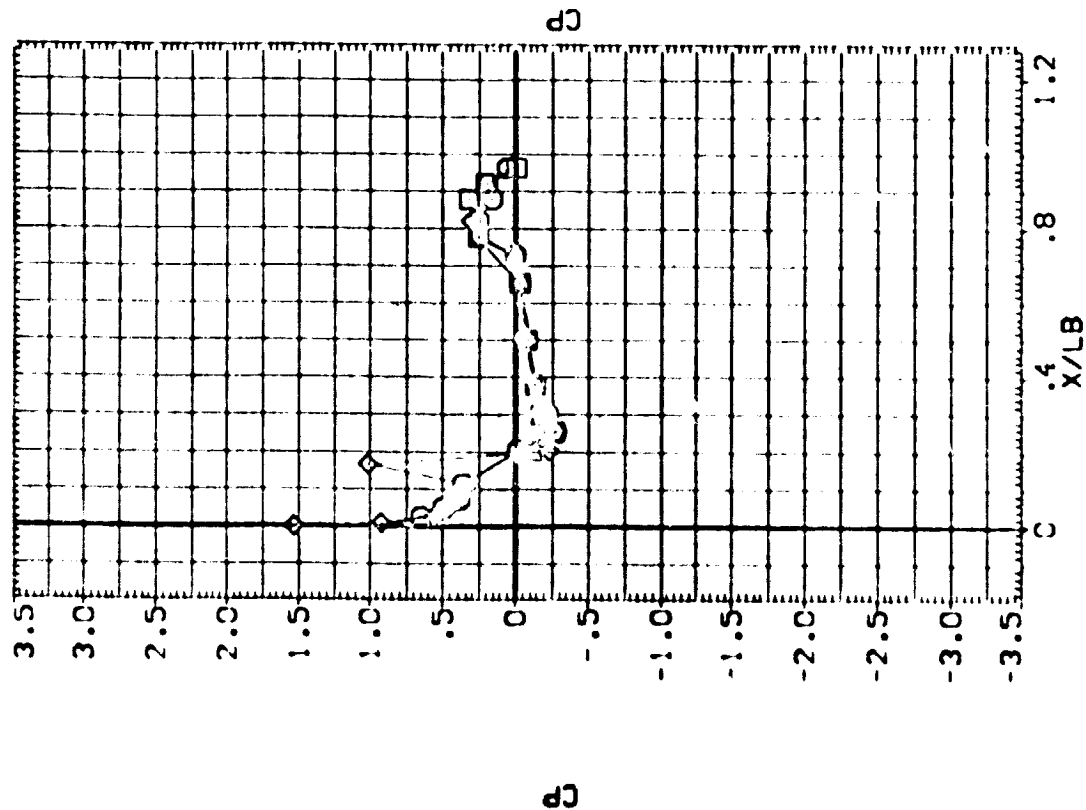
PARAMETRIC VALUES

MACH  
RUDDER

1.550  
.000

ELEVON  
SP08BK

.000  
.000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

# ORB. FUSELAGE (RB4B15)

ARC97-716 0A22 01

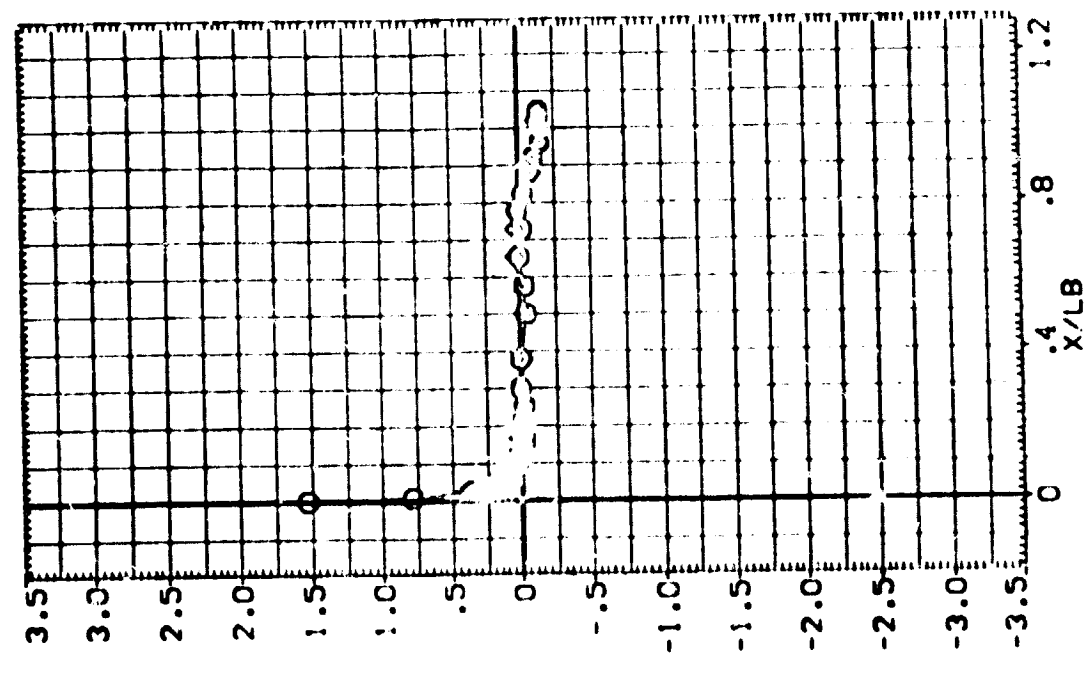
SYMBOL  
 ○ □ ◇ △

PHI .000  
 20.000  
 40.000  
 55.000

BETA 5.040  
 ALPHA -.170

PARAMETRIC VALUES  
 1.550 ELEVON  
 .000 SPOILER  
 .000  
 .000

WCH  
 RUDDER



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



ARC97-716 CA22 01

ORB. FUSELAGE (RB4B15)

SYMBOL

○ □ ◇ △

PHI

70.000  
90.000  
120.000  
135.000

BETA

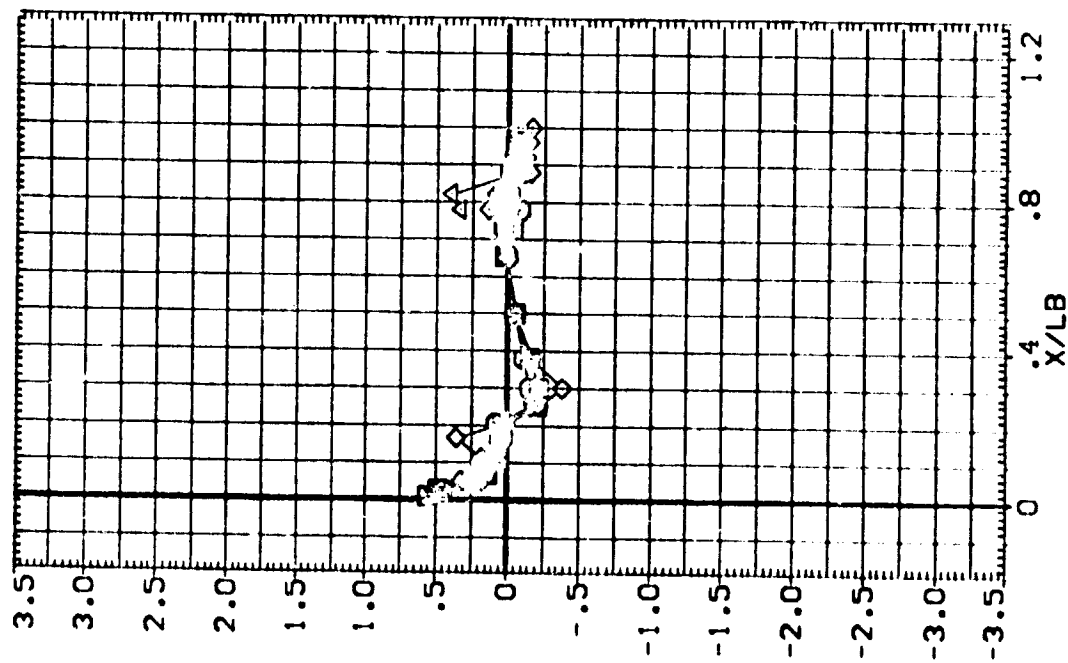
5.040

ALPHA

-.170

PARAMETRIC VALUES

MACH 1.550  
RUDDER .000  
ELEVON .000  
SPORRK .000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

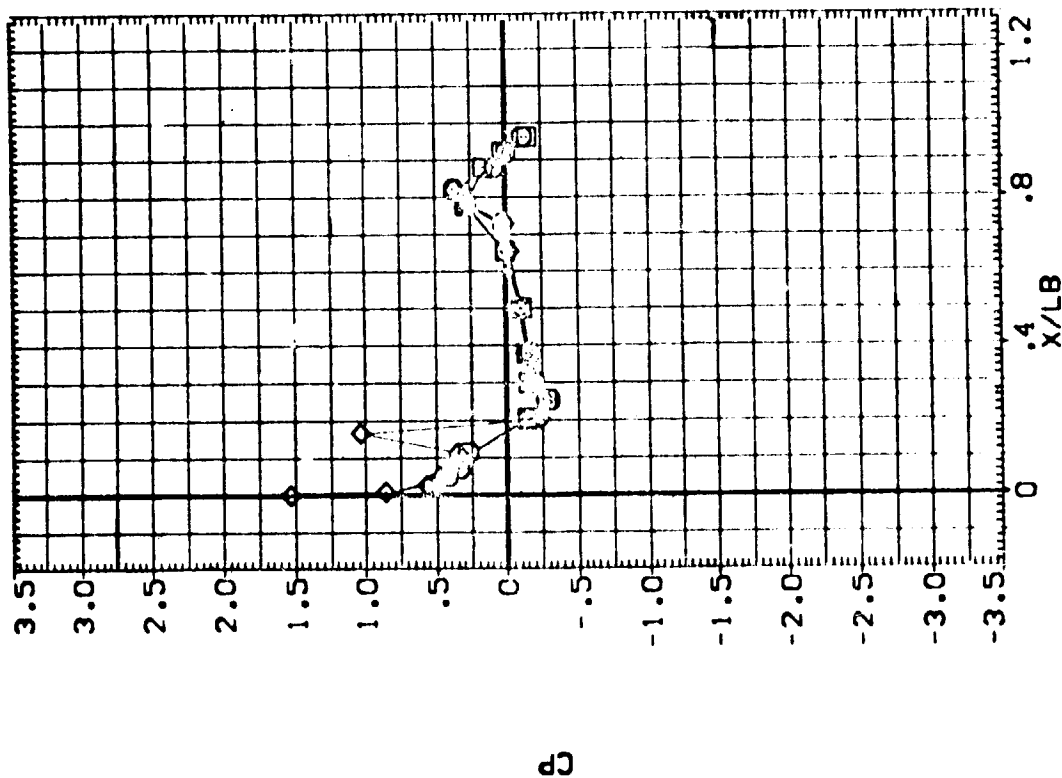
ARC97-716 0A22 01

ORB. FUSELAGE (RB4B15)

SYMBOL  
☐ 150.000  
☐ 165.000  
☐ 180.000

PHI BETA ALPHA  
 150.000 5.040 -.170  
 165.000  
 180.000

PARAMETRIC VALUES  
 MACH 1.550  
 RUDDER .000  
 ELEVON .000  
 SPOILER .000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

ARC97-716 0A22 01

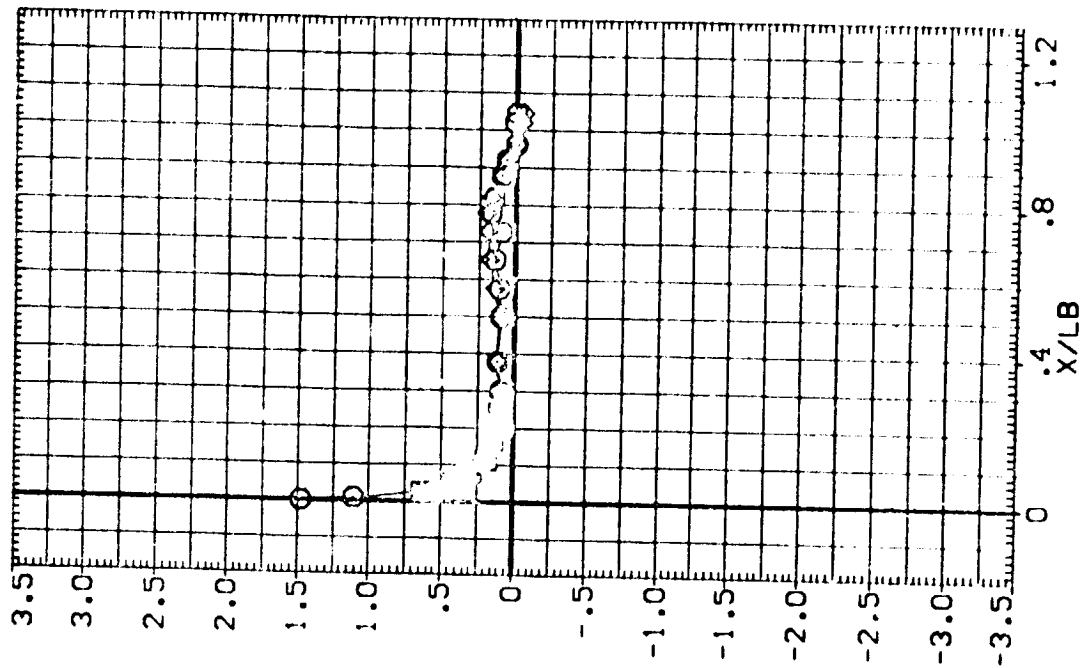
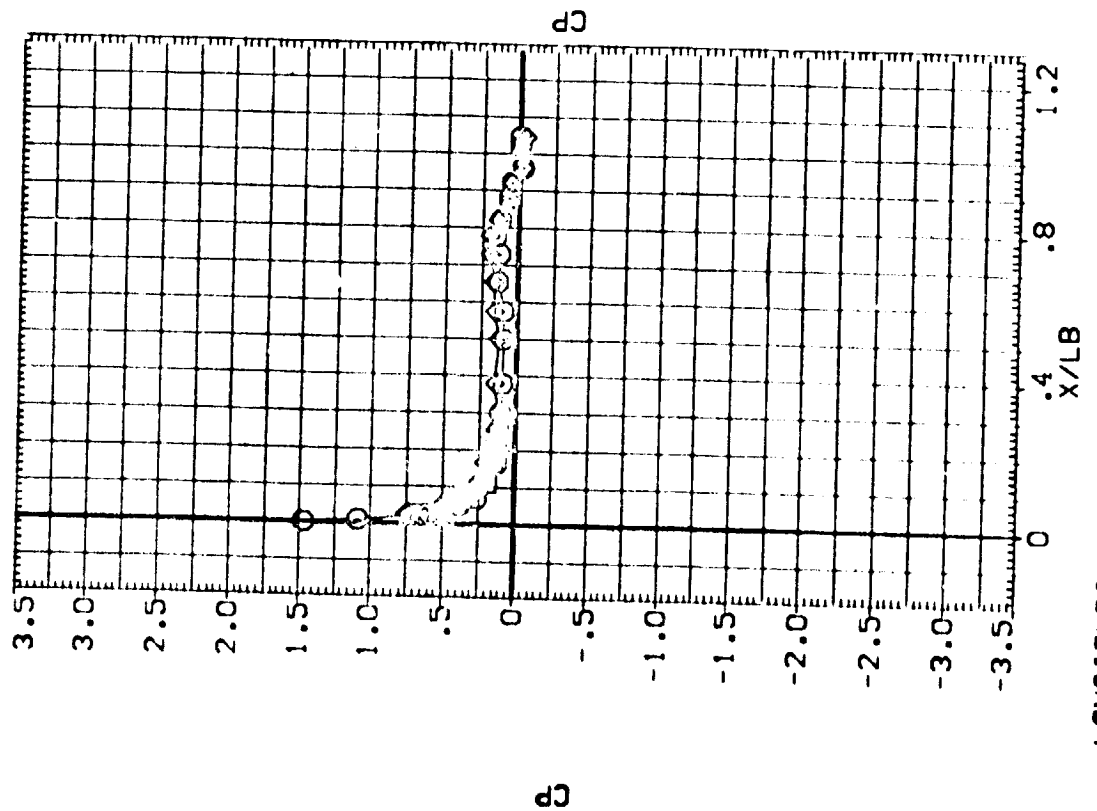
SYMBOL  
 ○ □ ◇ △  
 PHI .000  
 20.000  
 40.000  
 55.000

BETA  
 -5.070  
 .020

A.G.W  
 10.090

ORB. FUSELAGE (R84B15)

PARAMETRIC VALUES  
 MACH 1.550  
 RUDDER .000  
 ELEVON .000  
 SP-DRK .000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

ARC97-716 0A22 01

ORB. FUSELAGE (RB4B15)

SYMBOL  
 ○ □ ◇ △

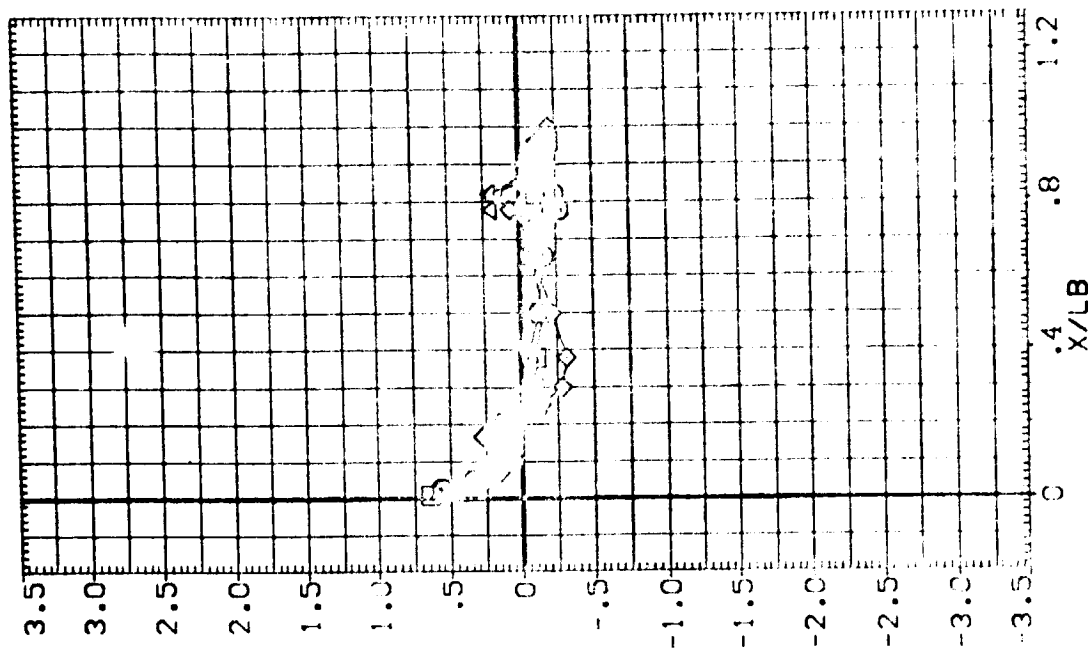
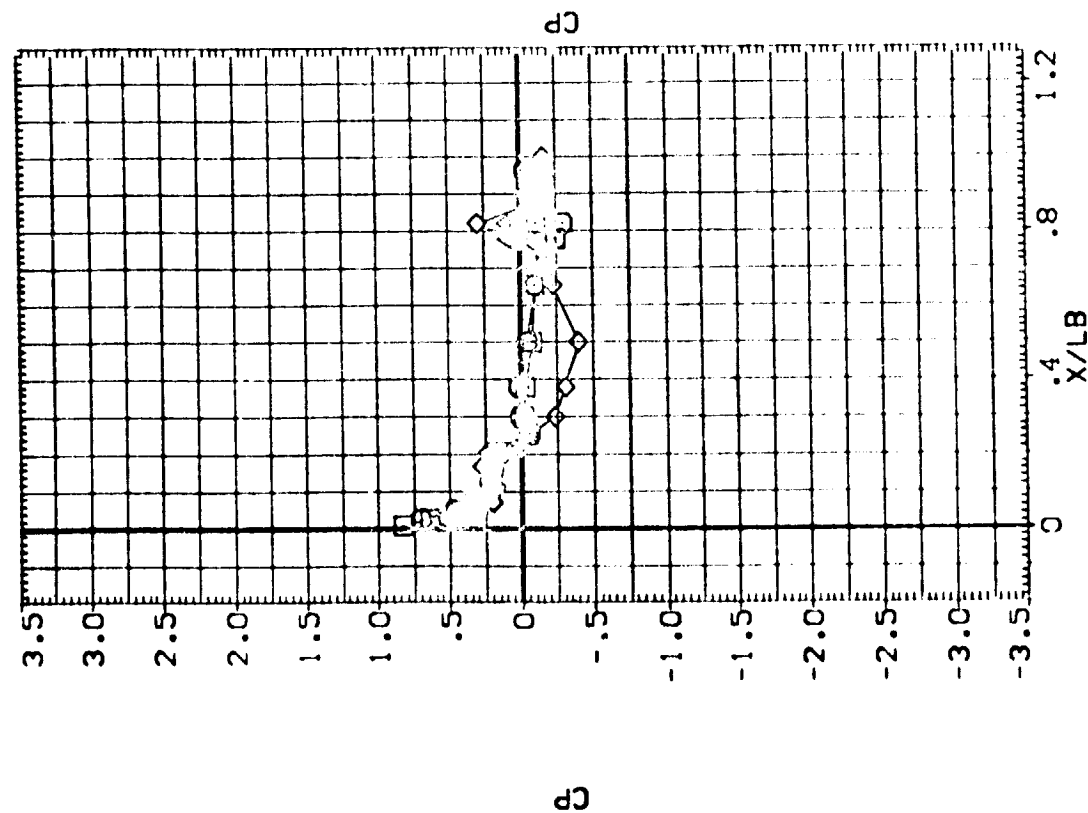
PHI  
 70.000  
 90.000  
 120.000  
 135.000

BETA  
 -5.070  
 .020

ALPHA  
 10.090

MACH  
 RUDDER

PARAMETRIC VALUES  
 1.550 ELEVON  
 .000 SPOBRK  
 .000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES





ARC97-716 0422 C:

ORB. FUSELAGE (RB4915)

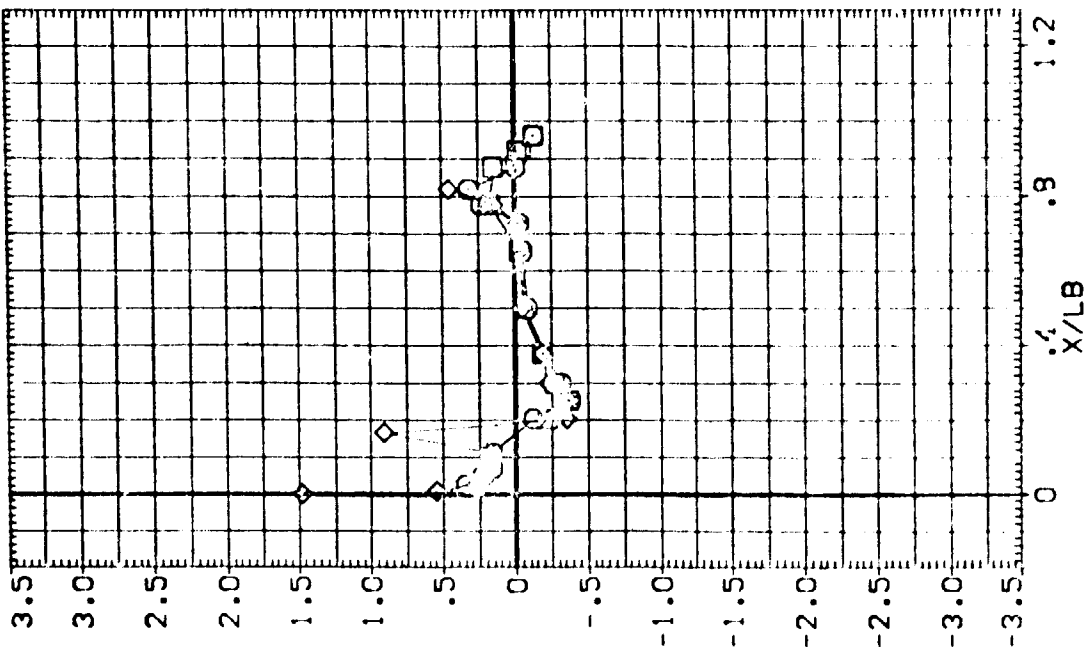
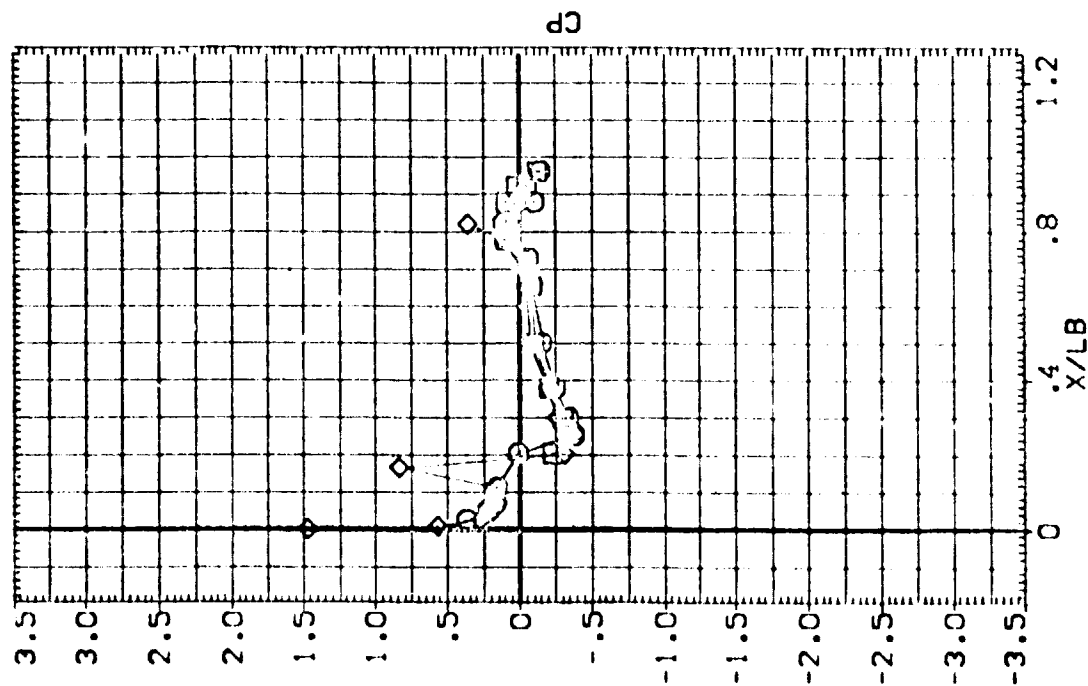
Symbol

150.000  
65.000  
80.000

DELTA  
-5.070  
.020

ALPHA  
10.090

PARAMETRIC VALUES  
MACH 1.550  
ELEVON .000  
RUDDER .000  
SPOILER .000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

ARC97-716 0A22 01

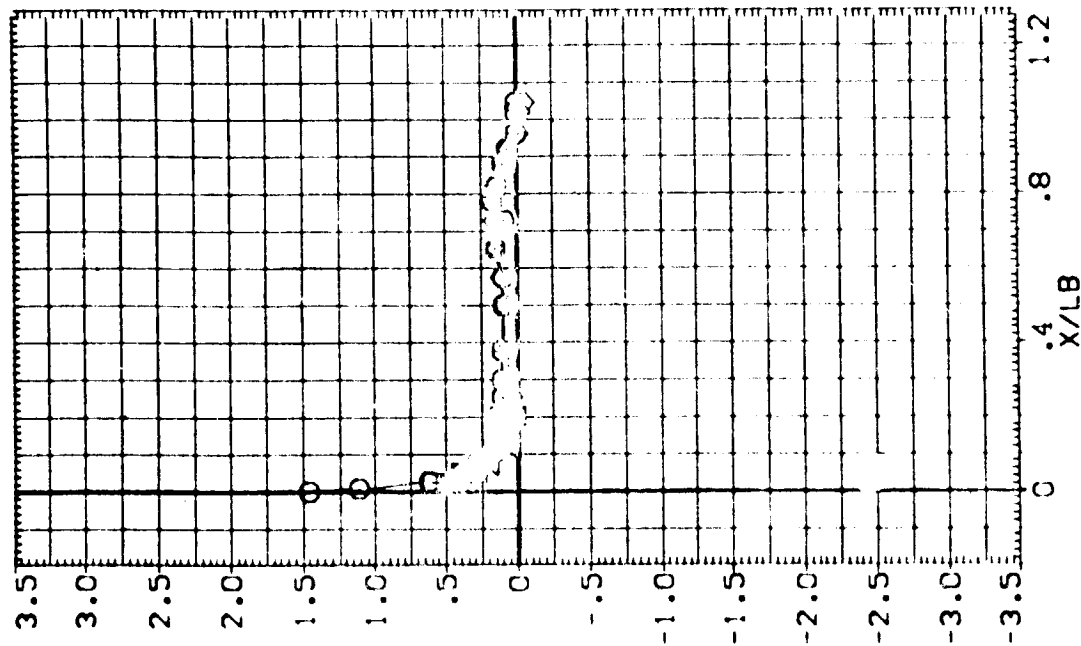
ORB. FUSELAGE (RB4B15)

SYMBOL  
 ○ □ ◇ △

PHI .000  
 20.000  
 40.000  
 55.000

BETA 5.010  
 ALPHA 10.080

PARAMETRIC VALUES  
 MACH 1.550  
 RUDDER .000  
 ELEVON .000  
 SPOBRK .000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

ARCST-716 0A22 01

SYMBOL  
 70.000  
 90.000  
 170.000  
 136.000

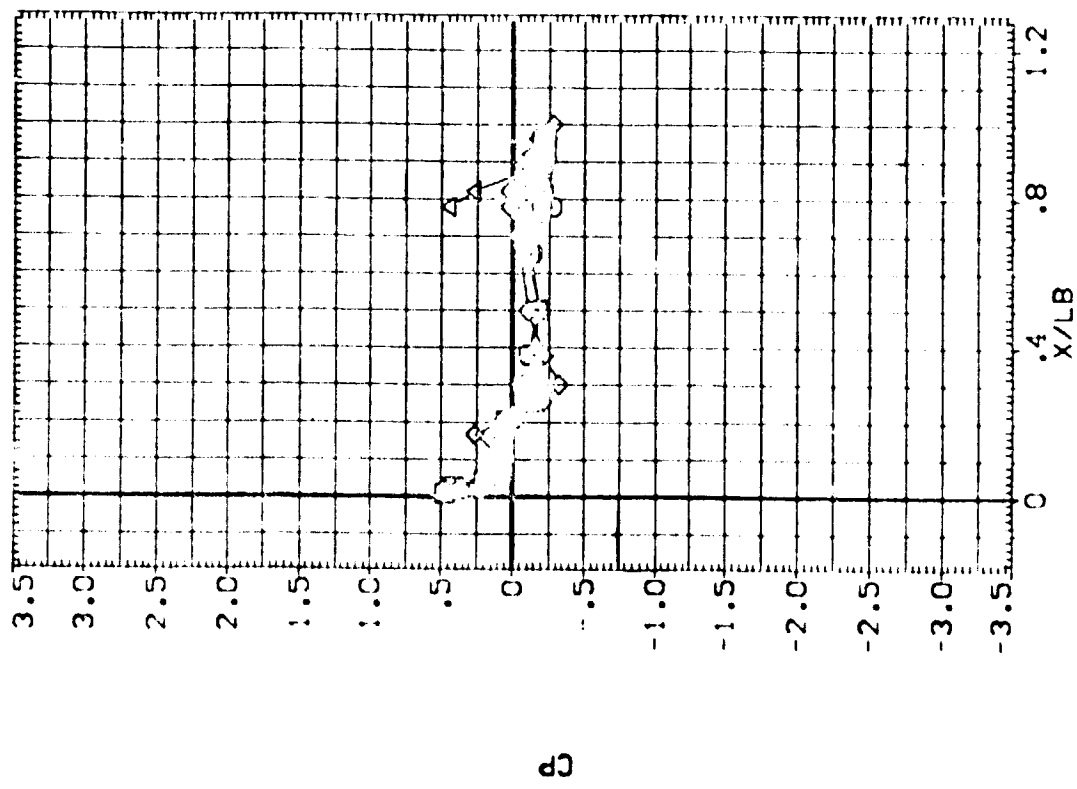
PHI  
 70.000  
 90.000  
 170.000  
 136.000

BETA  
 5.010  
 10.030

ALPHA  
 10.030

ORB. FUSELAGE (RB4B15)

PARAMETRIC VALUES  
 MACH 1.550  
 RUDDER .000  
 ELEVON .000  
 SPOILER .000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

ARC97-716 0A22 01

ORB. FUSELAGE (RB4B15)

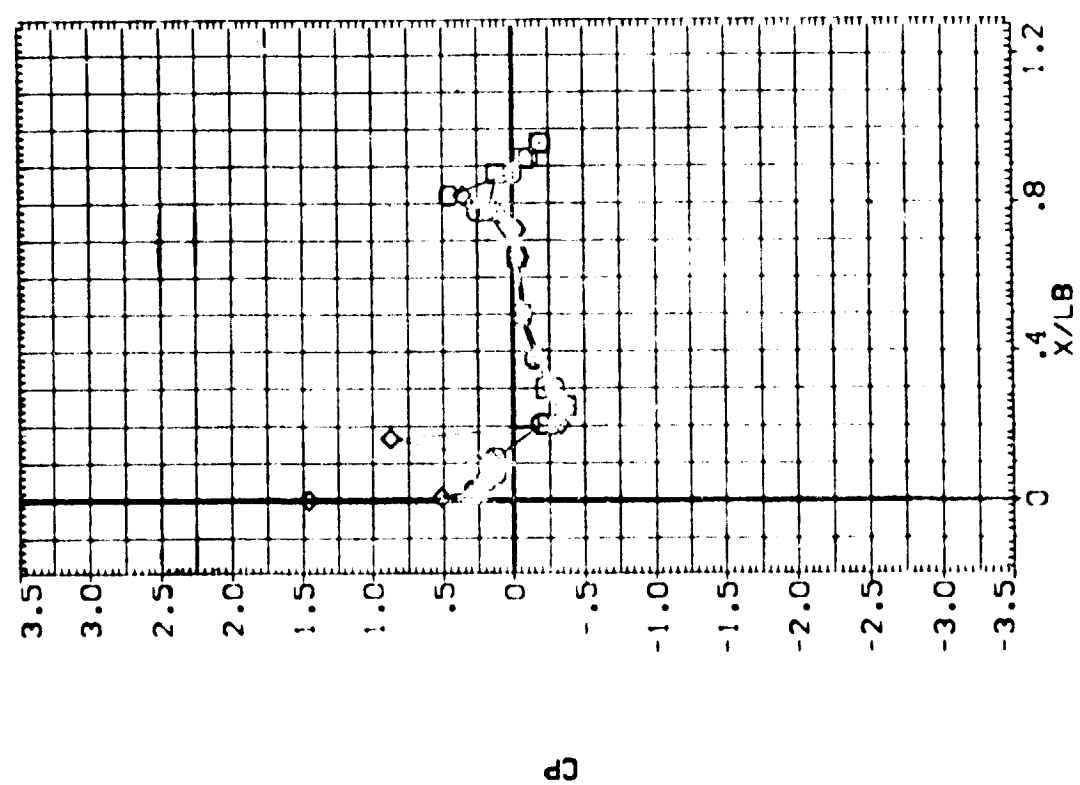
SYMBOL  
 ○ □ ◇

PHI 150.000  
 165.000  
 180.000

BETA 5.010

ALPHA 10.080

PARAMETRIC VALUES  
 MACH 1.550  
 RUDDER .000  
 ELEVON .000  
 SPOILER .000



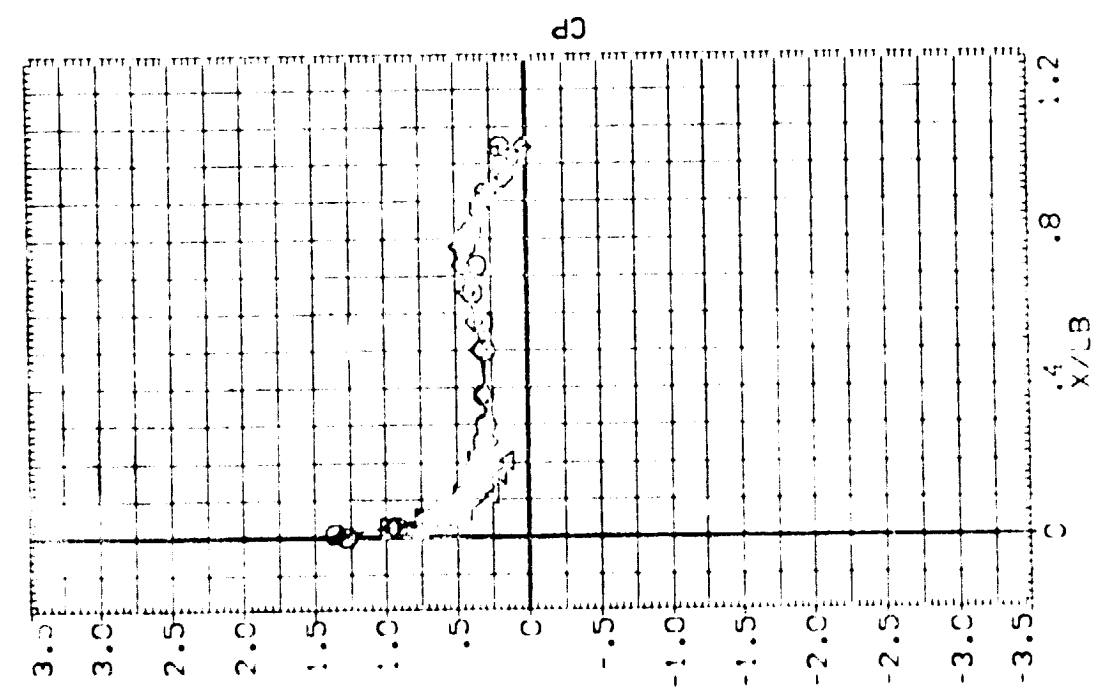
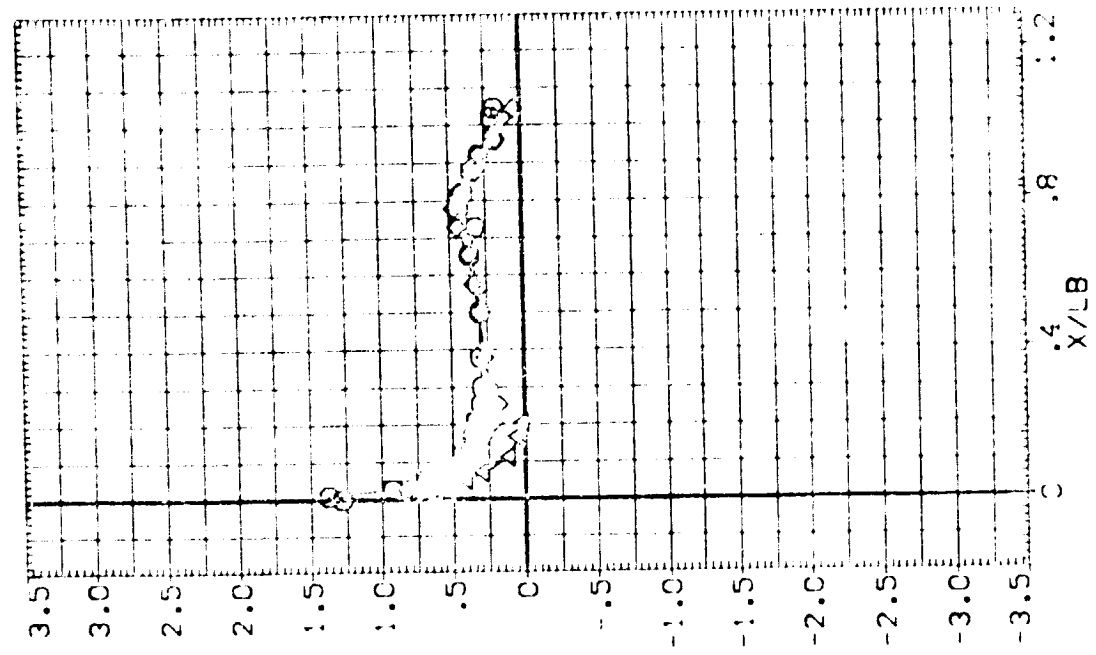
LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

ORBITER FUSELAGE (RB4B15)

ARC90.016 0120 01

PARAMETRIC VALUES  
 MACH 1.500  
 ELEVON .000  
 RUDDER .000

5-60  
 0  
 0  
 0



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

ARC97-716 0A22 01

ORB. FUSELAGE (RB4B15)

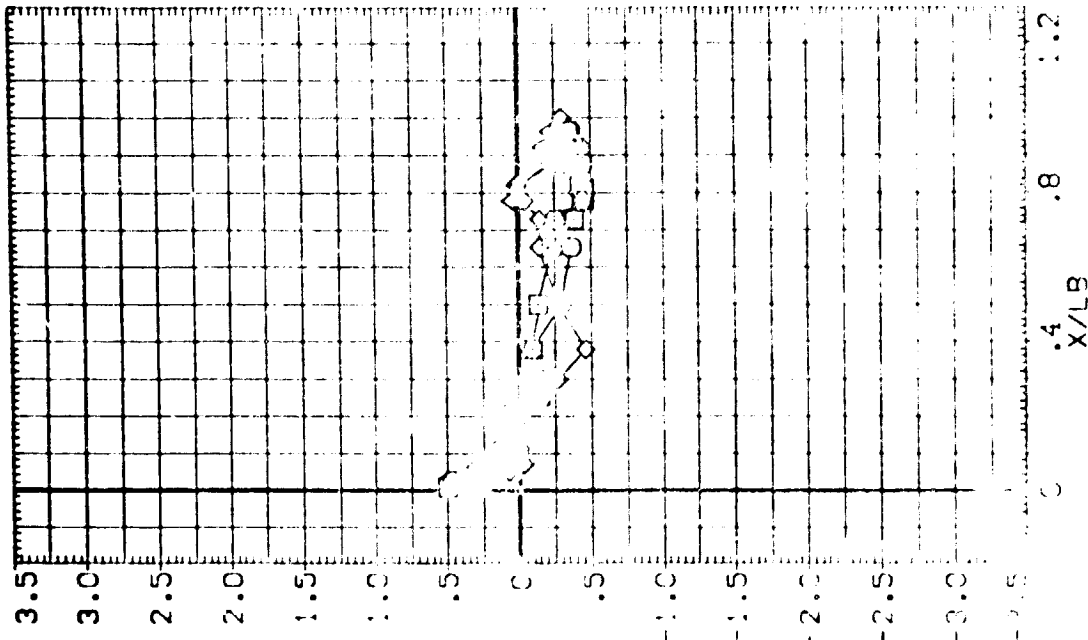
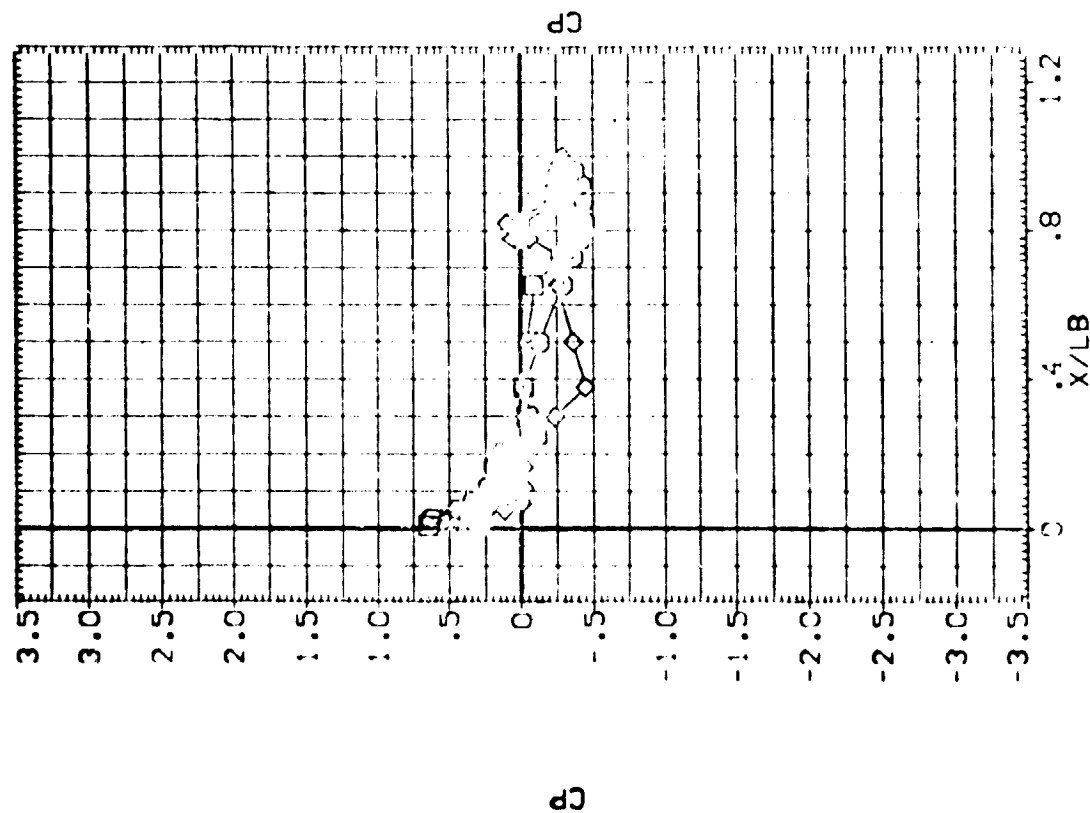
SYMBOL

70.000  
90.000  
120.000  
150.000

BETA  
-5.340  
-0.070

ALPHA  
20.320

PARAMETRIC VALUES  
MACH 1.550 ELEVON .000  
RUDDER .000 SPOILER .000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

ARC97-216 0122 01

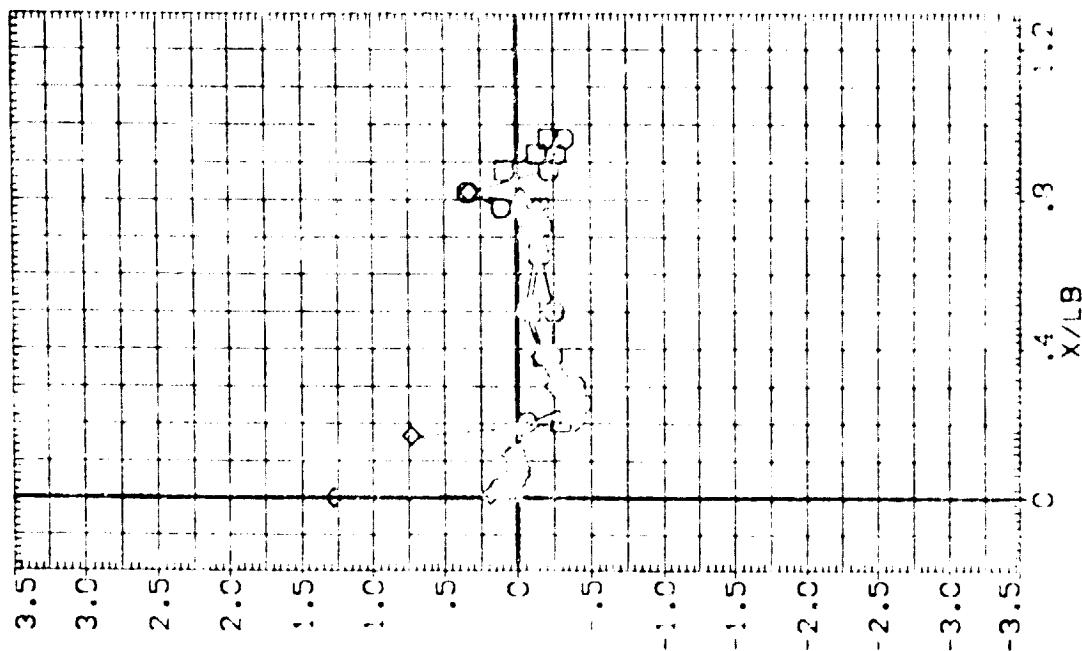
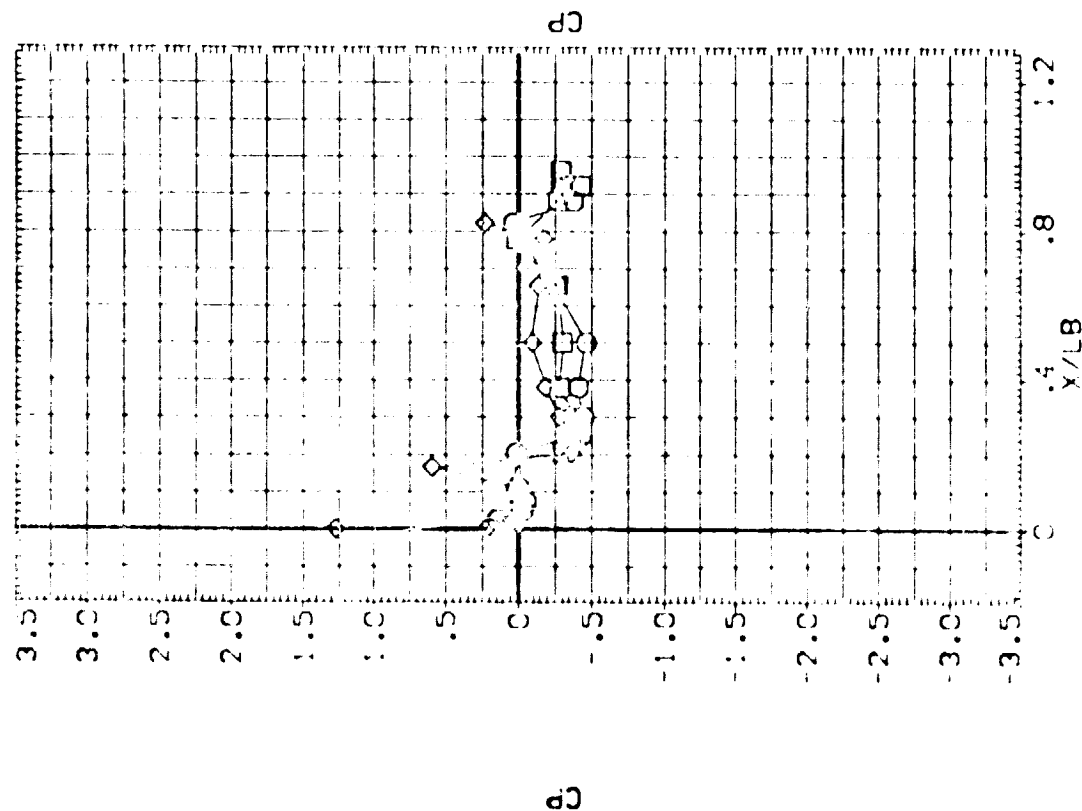
Symbol  
 150.000  
 165.000  
 180.000

ETA  
 13.340  
 1.070

ALPHA  
 70.370

ORB. FUSELAGE (R84B15)

PARAMETRIC VALUES  
 MACH 1.550 ELEVON .000  
 RUDDER .000 SPEED .000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

# ORB. FUSELAGE (RB4B15)

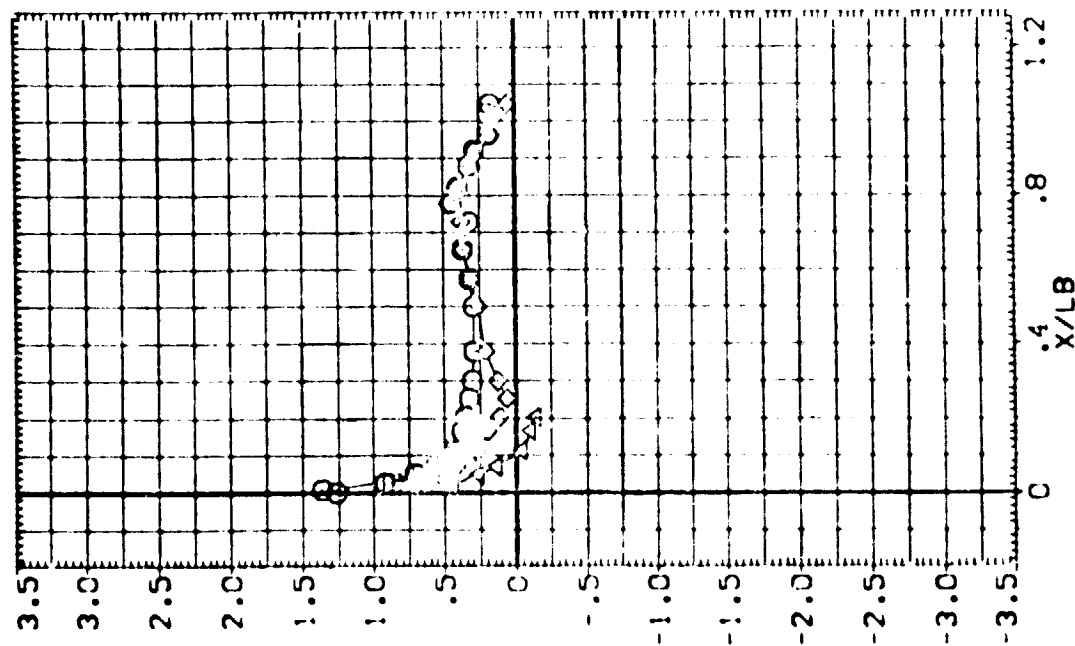
ARC97-716 0A22 C1

SYMBOL

PHI .000  
20.000  
40.000  
55.000

BETA 5.250  
ALPHA 20.340

PARAMETRIC VALUES  
MACH 1.550  
RUDDER .000  
ELEVON .000  
SPOBRK .000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES



AMCGR-116 0A22 01

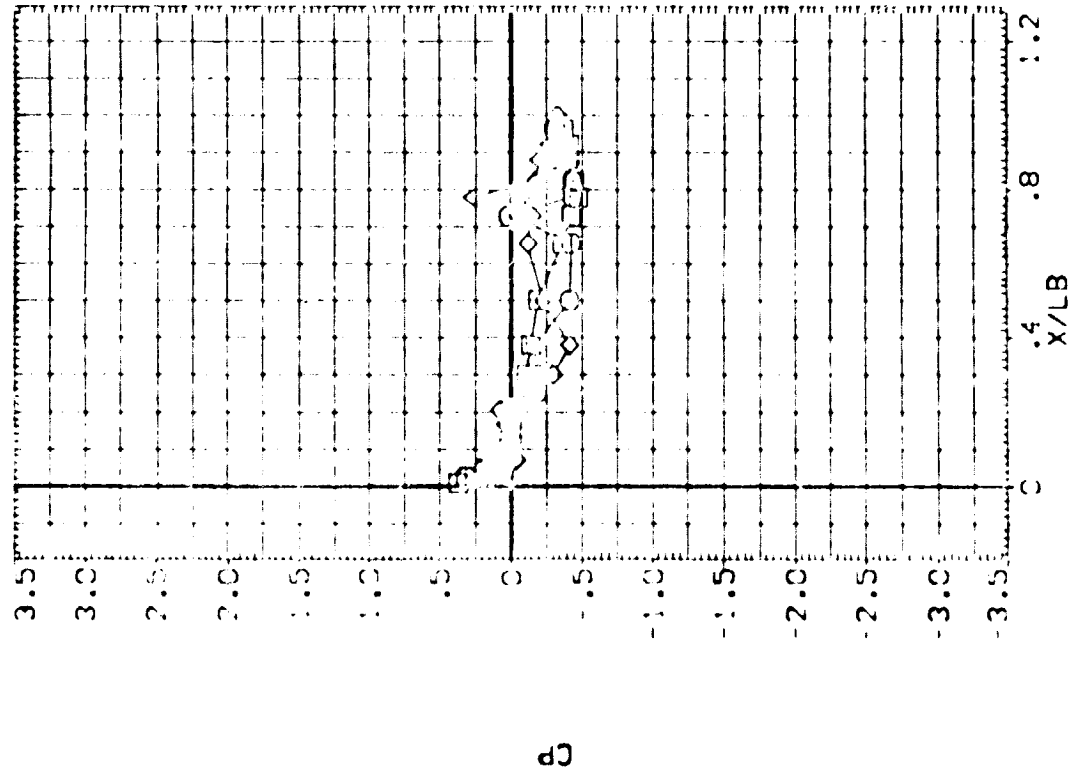
OR8. FUSELAGE (RB4B15)

Symbol

70.000  
90.000  
120.000  
135.000

BETA 5.250  
ALPH 70.340

PARAMETRIC VALUES  
MACH 1.550  
ELEVON .000  
RUDDER .000  
SPDRK .000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

# ORB. FUSELAGE (R84B15)

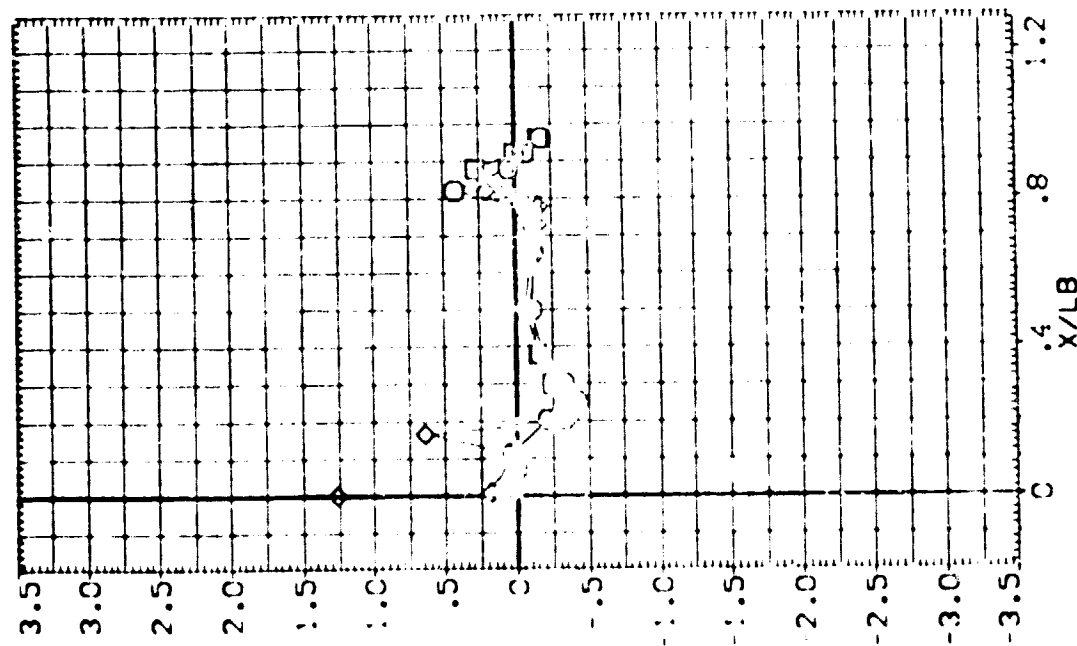
ARC97-716 0A22 01

SYMBOL  
○ □ ◇

PHI  
150.000  
165.000  
180.000

BETA ALPHA  
5.750 20.340

PARAMETRIC VALUES  
MACH 1.550 ELEVON .000  
RUDDER .000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

ORBITER FUSELAGE (RB4B16)

ORBITER FUSELAGE (RB4B16)

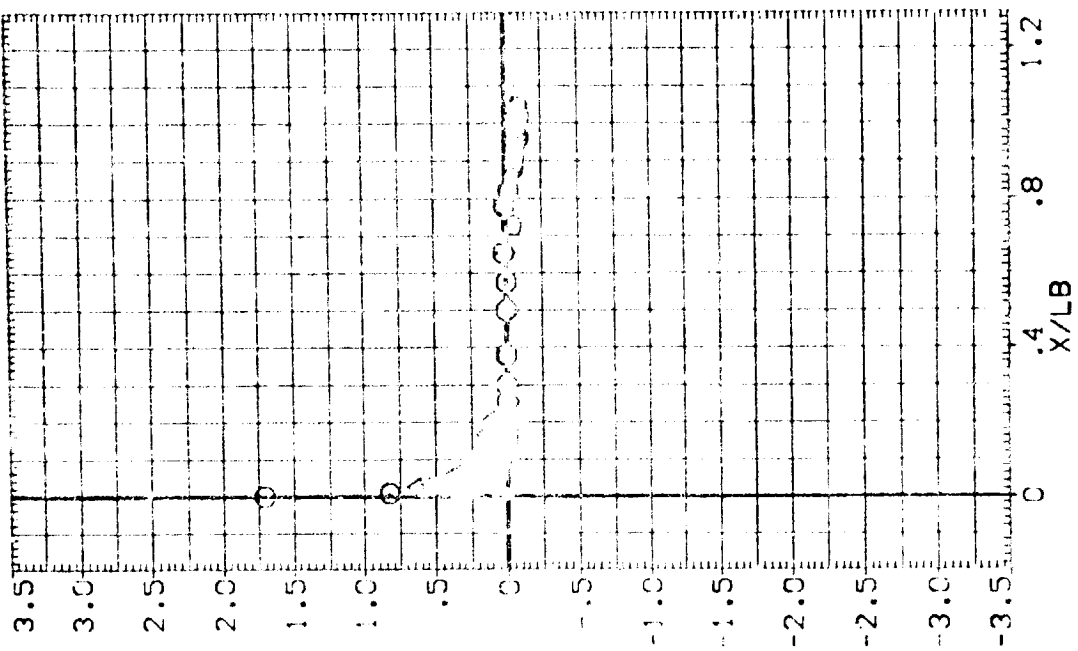
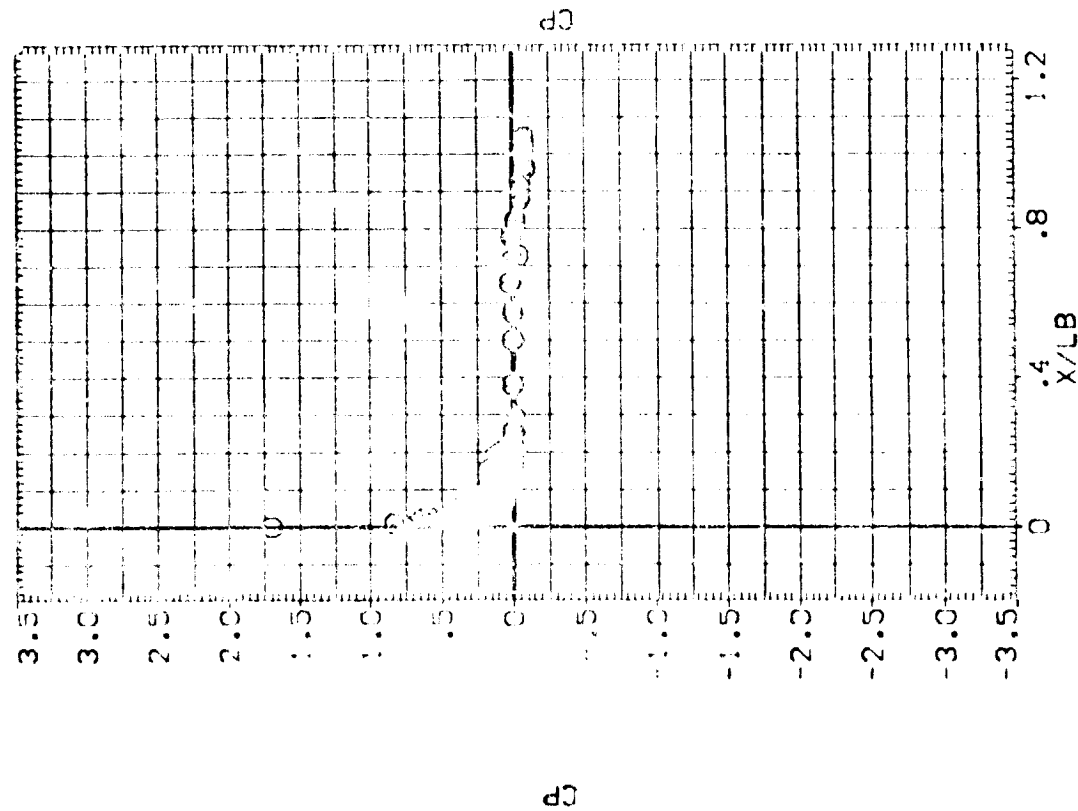
SYMBOL  
O  
X  
A

PHI  
-0.00  
20.000  
40.000  
55.000

BETA  
14.980  
1.300

ALPHA  
1.000  
1.000

PARAMETRIC VALUES  
MACH 2.000  
RUDDER .000  
ELEVON .000  
SLAT .000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

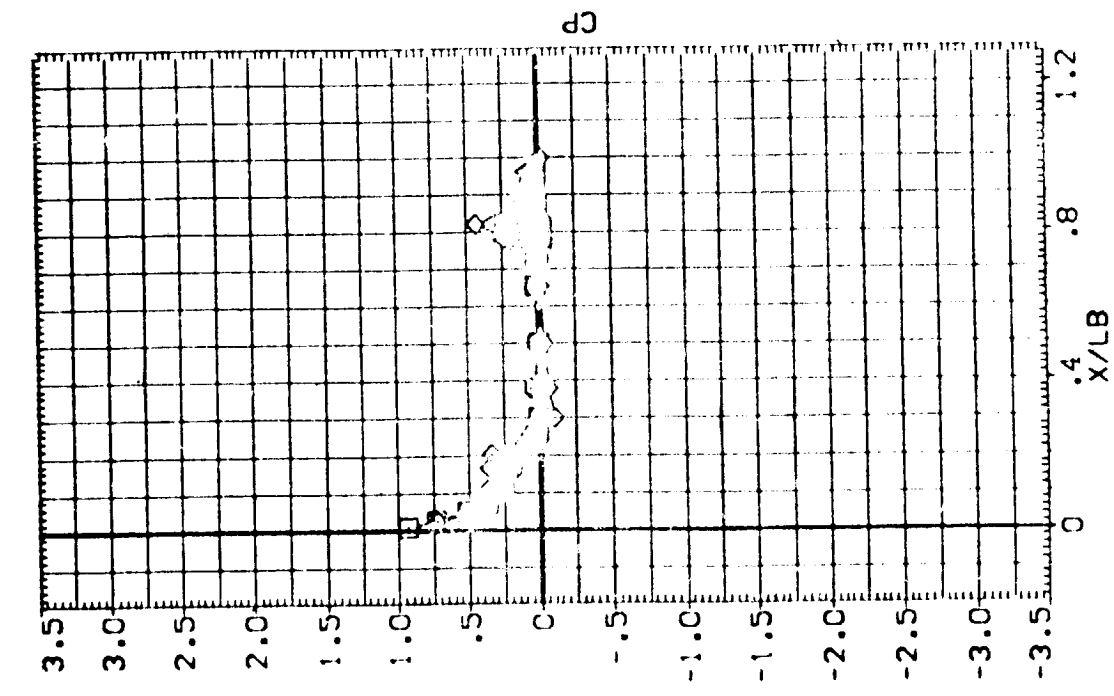
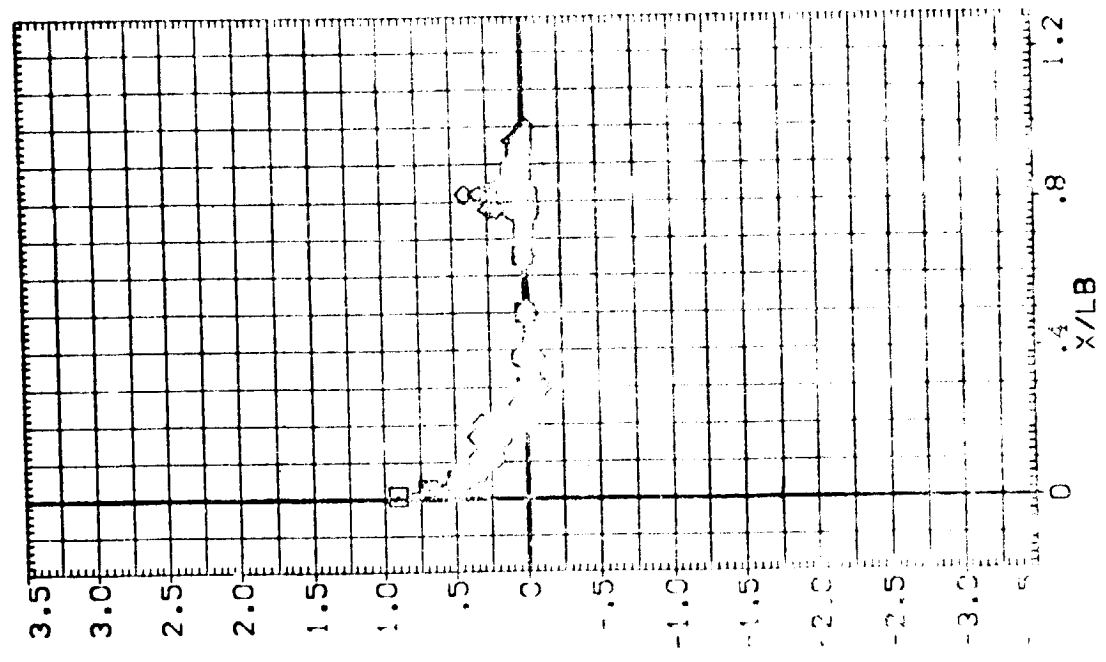
# ORB. FUSELAGE (RB4B16)

ARC97-716 OA22 01

PARAMETRIC VALUES  
 MACH 2.200 ELEVON .000  
 RUDDER .000 SPEEDK .000

SYMBOL  
 70.000  
 90.000  
 120.000  
 135.000

BETA ALPHA  
 -4.980 -.120  
 -4.300



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

APR 1971 16 3 22 31

SYMBOL

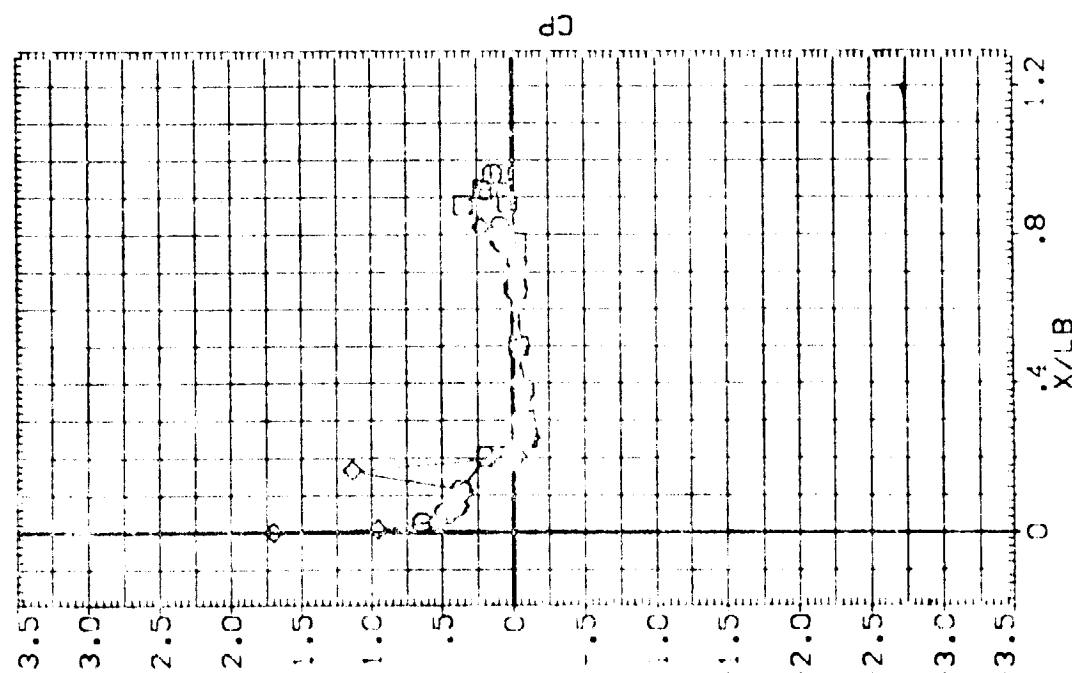
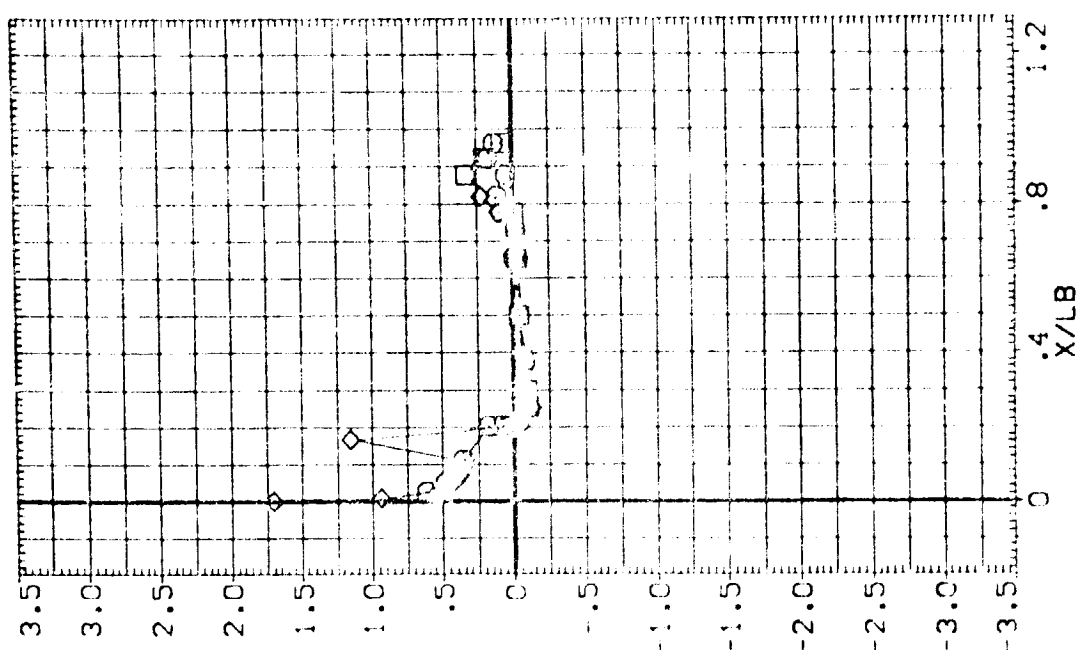
150.000  
165.000  
180.000

36.74  
-4.980  
-1.300

36.74  
-1.120

ORBITER FUSELAGE (RB4B16)

PARAMETRIC VALUES  
MACH 2.200  
ELEVATION .000  
SPIN .000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

# ORB. FUSELAGE (RB4B16)

ARC97-716 0A22 01

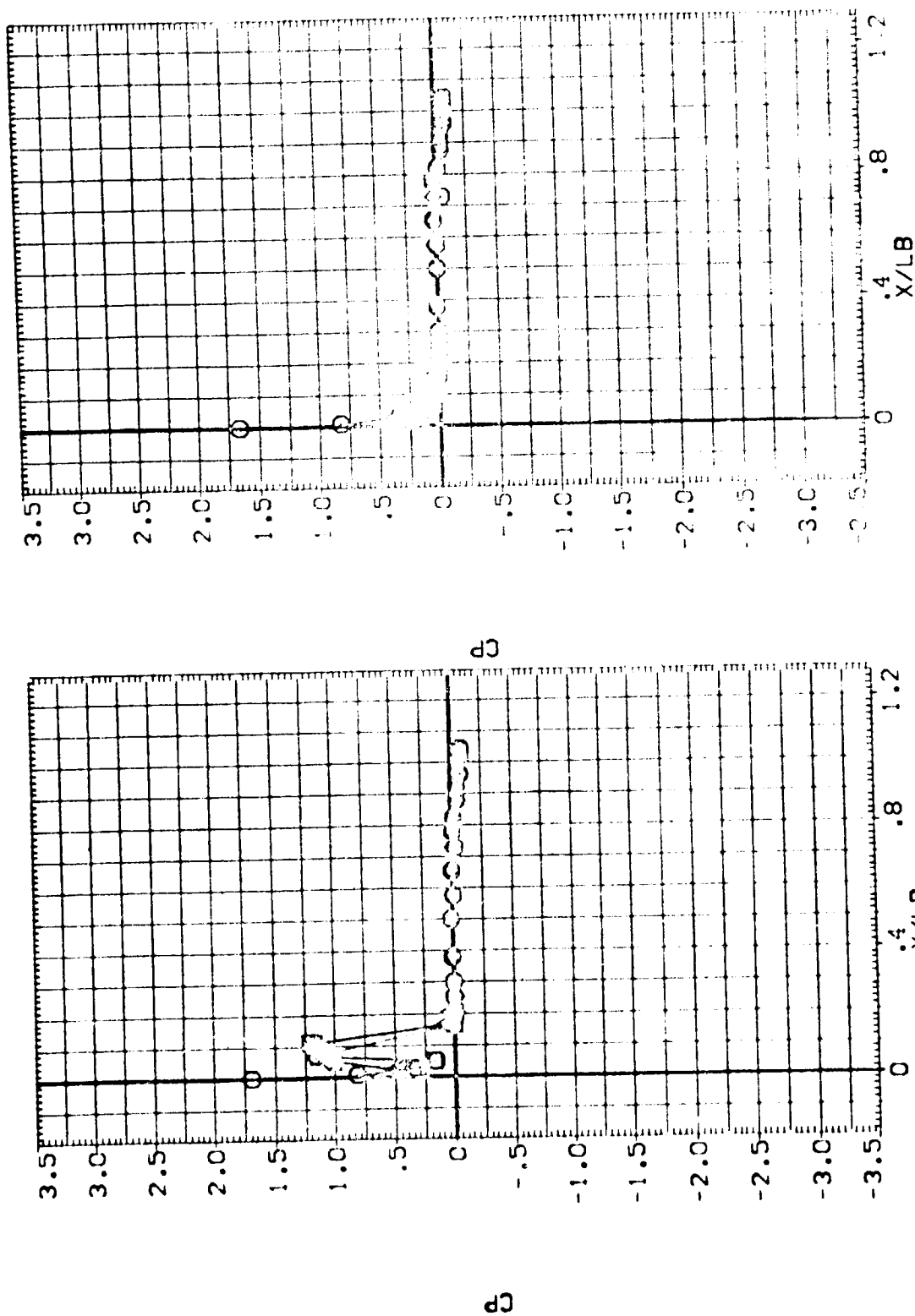
SYMBOL  
 ○ □ ◇ △

PHI .000  
 20.000  
 40.000  
 56.000

BETA -.080  
 4.970

ALPHA -.150

PARAMETRIC VALUES  
 MACH 2.200  
 RUDDER .000  
 ELEVON .000  
 SPOILER .000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

ARC97-716 0A22 C:

ORB. FUSELAGE (RB4B16)

SYMBOL

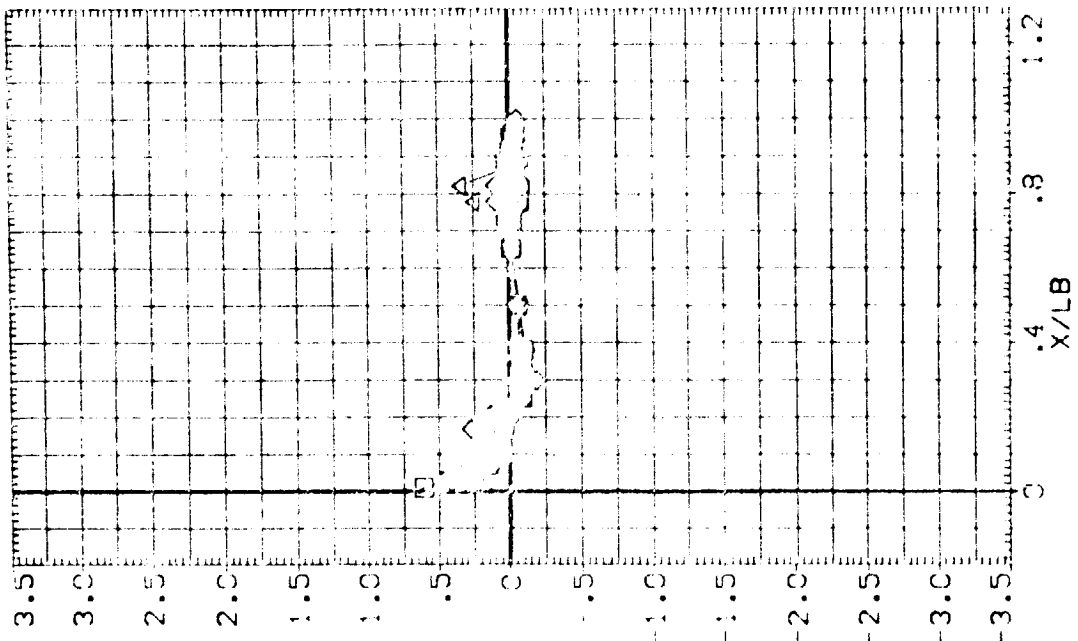
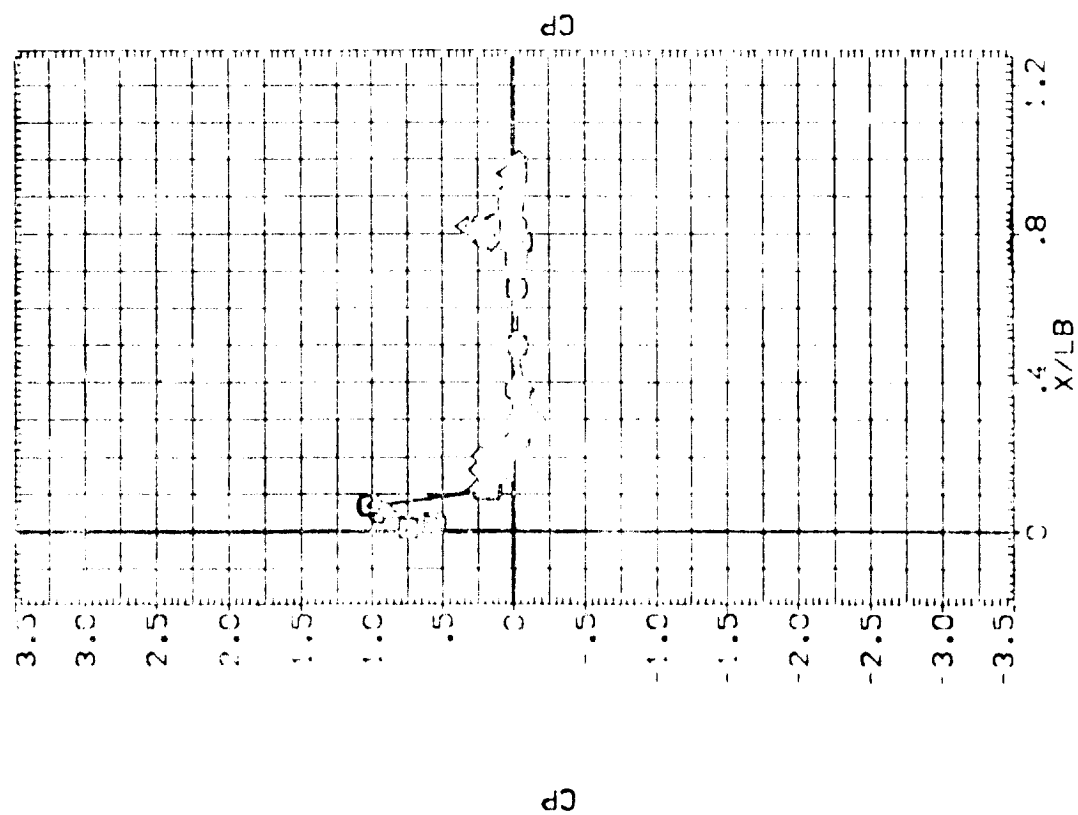
70.000  
80.000  
120.000  
135.000

FIN  
-1.000  
4.970

ALPHA  
-1.150

PARAMETRIC VALUES

MACH 2.200  
ELEVON .000  
RUDDER .000  
SPORRK .000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

ARC97-716 0A22 01

ORB. FUSELAGE (RB4B16)

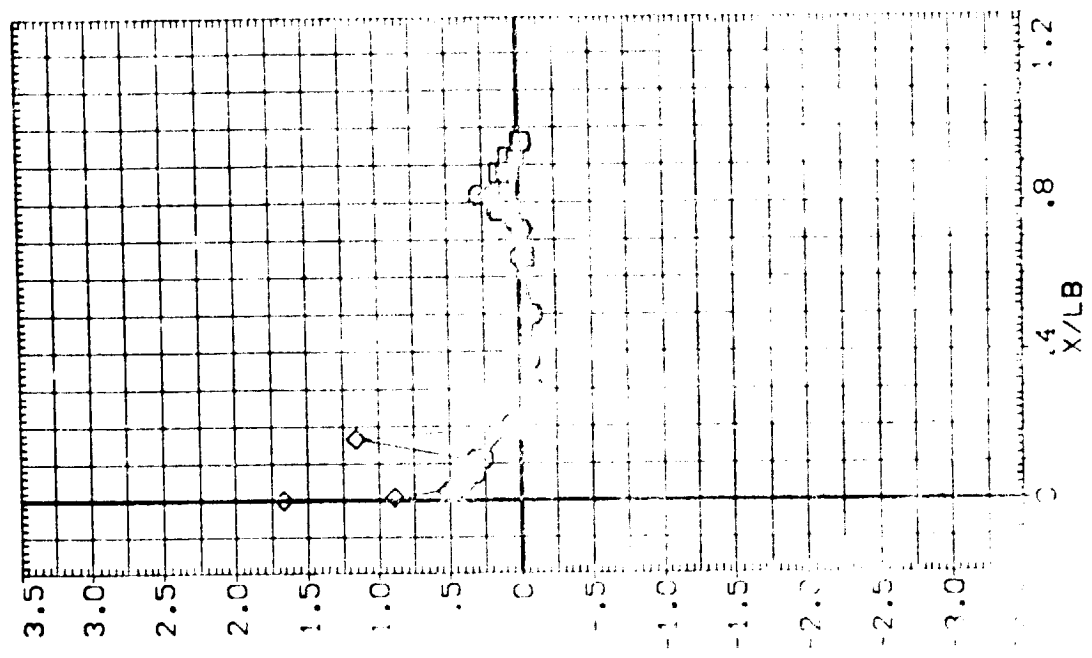
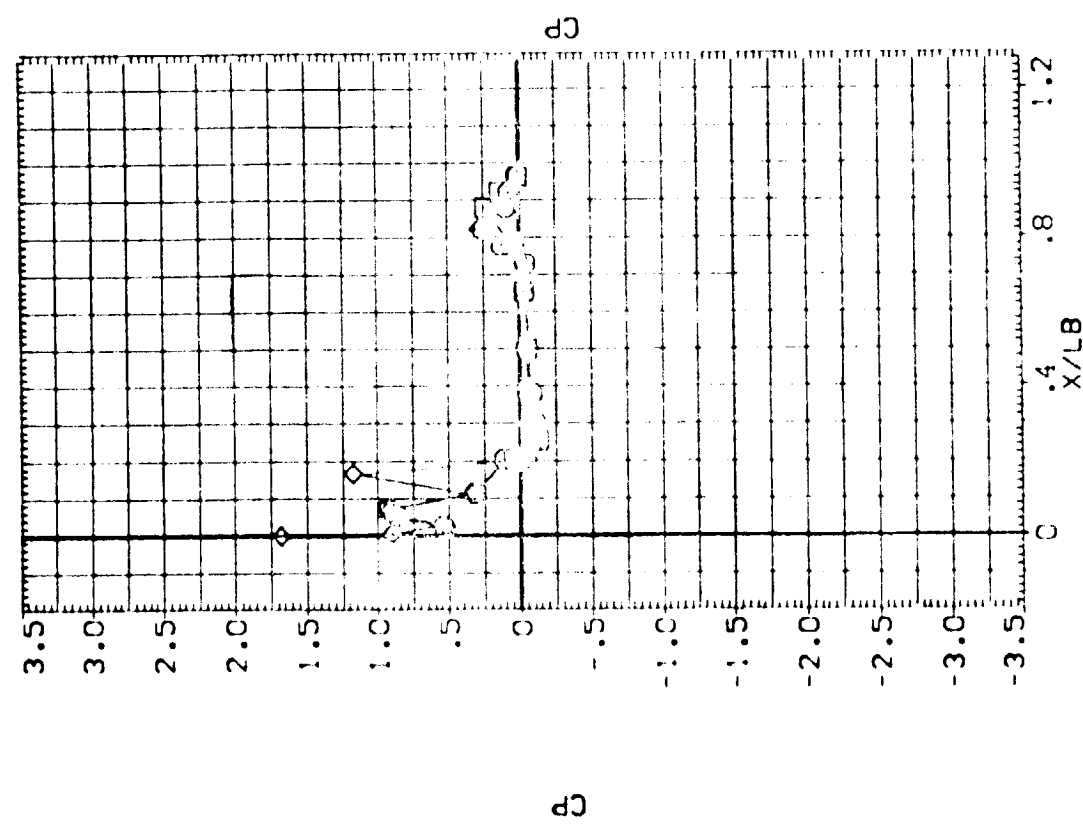
SYMBOL  
 O  
 □  
 ◇

PHI  
 150.000  
 165.000  
 180.000

BETA  
 -.080  
 4.970

ALPHA  
 -.150

PARAMETRIC VALUES  
 MACH 2.200  
 RUDDER .000  
 ELEVON .000  
 SPOILER .000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES





ARC-716 CA20 31

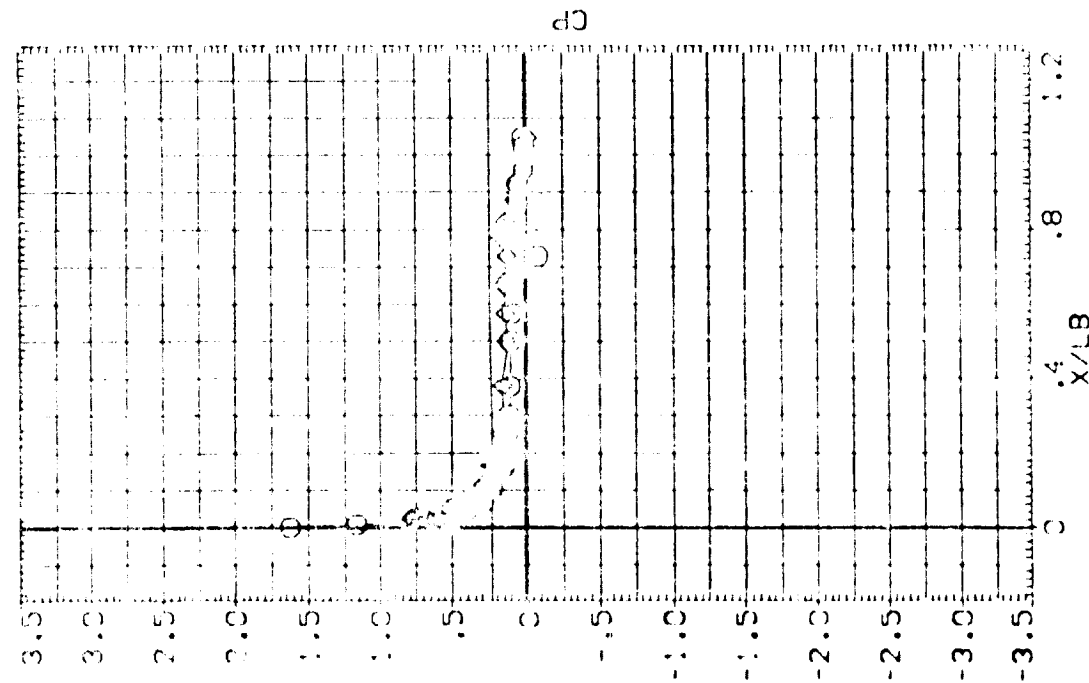
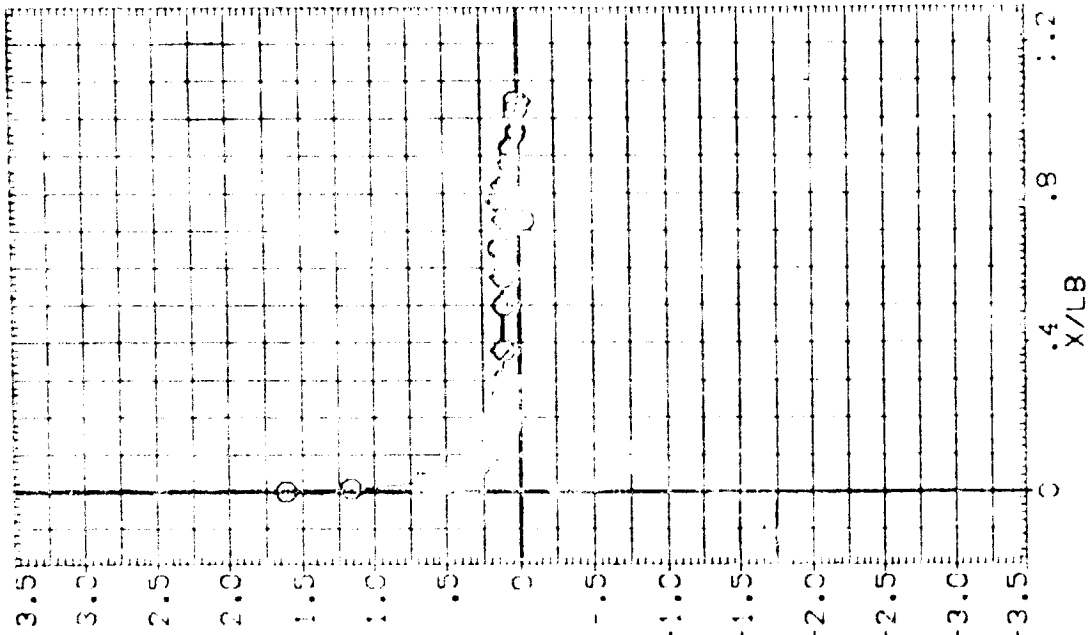
ORB. FUSELAGE (RB4316)

PARAMETRIC VALUES  
 2.200 ELEVON  
 .000 SPOON

MACH  
 RUDDER

SYMBOL  
 0.000  
 20.000  
 40.000  
 60.000

0.000  
 20.000  
 40.000  
 60.000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

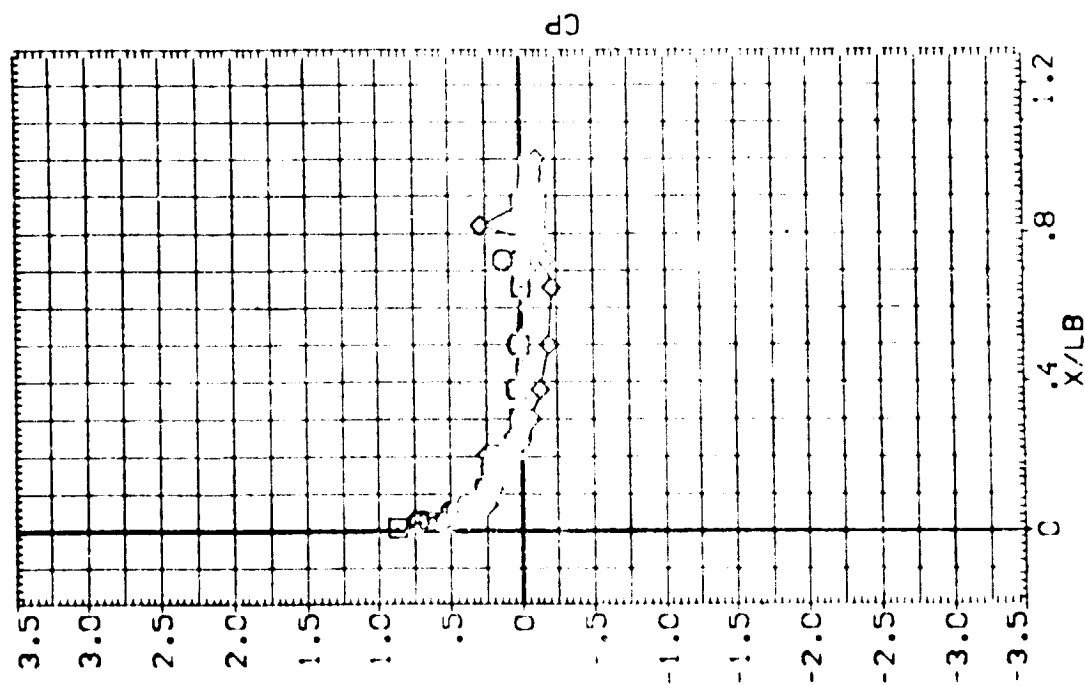
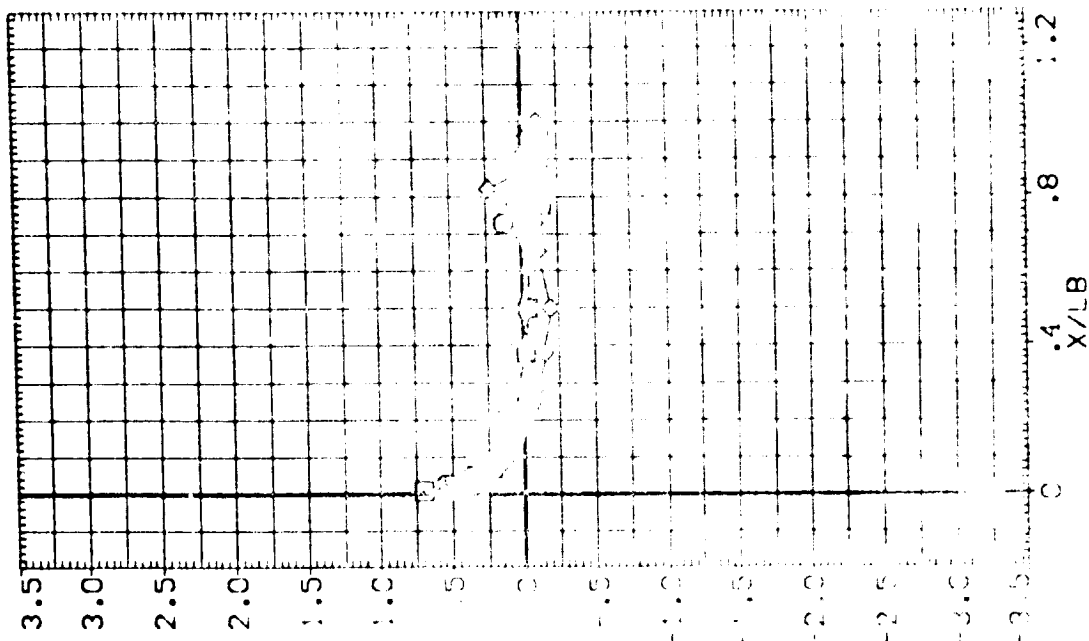
# ORB. FUSELAGE (RB4B16)

ARC97-716 OA22 01

PARAMETRIC VALUES  
MACH 2.200 ELEVON .000  
RUDDER .000 SPOBRK .000

SYMBOL  
□ [ ] ◇ △

PHI 70.000 ALPHA 10.120  
90.000 BETA -5.810  
170.000 -7.760  
135.000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

# ORBITER FUSELAGE (RB4B16)

00000000 0000 00

PARAMETRIC VALUES  
 MACH 2.000  
 ELEVON .000  
 RUDDER .000  
 SPDRM .000

3.0

150.000

0.810

165.000

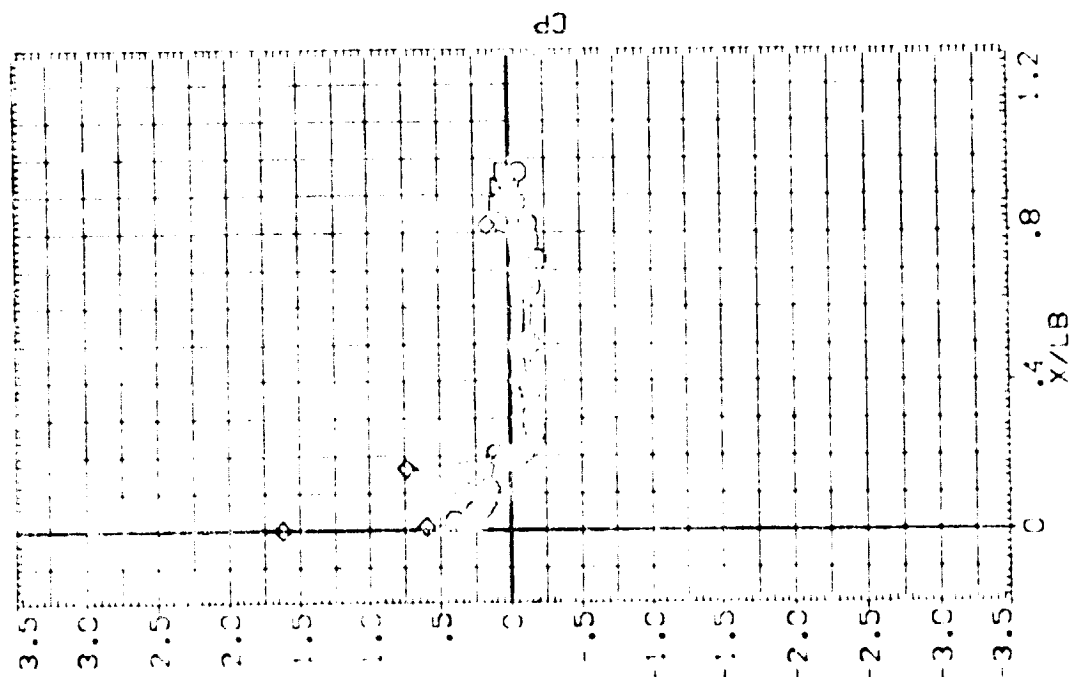
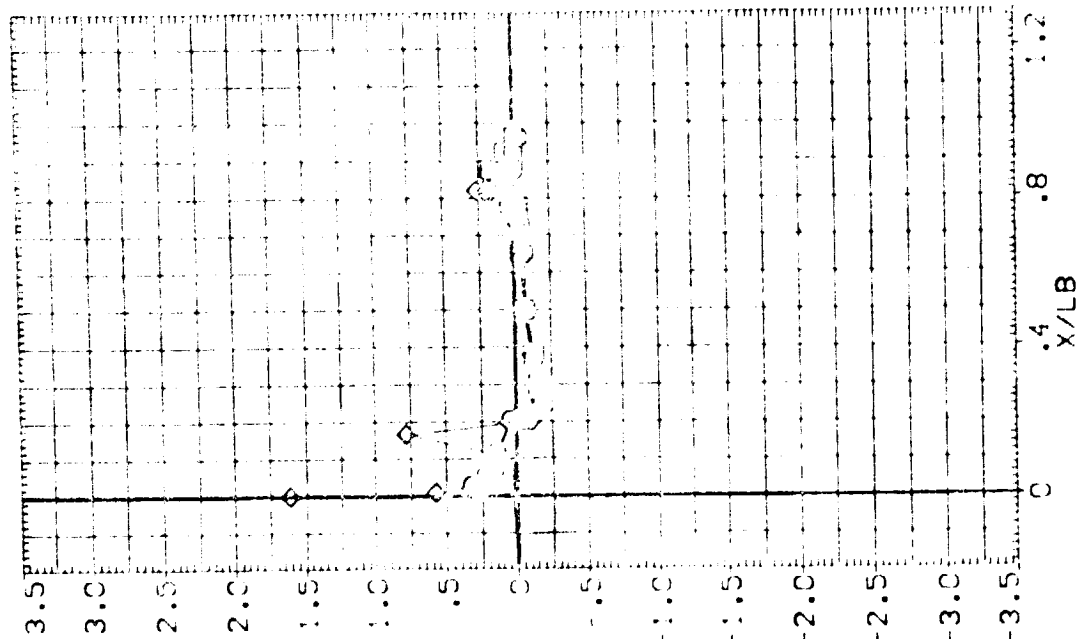
0.760

180.000

5.000

0.000

0.000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

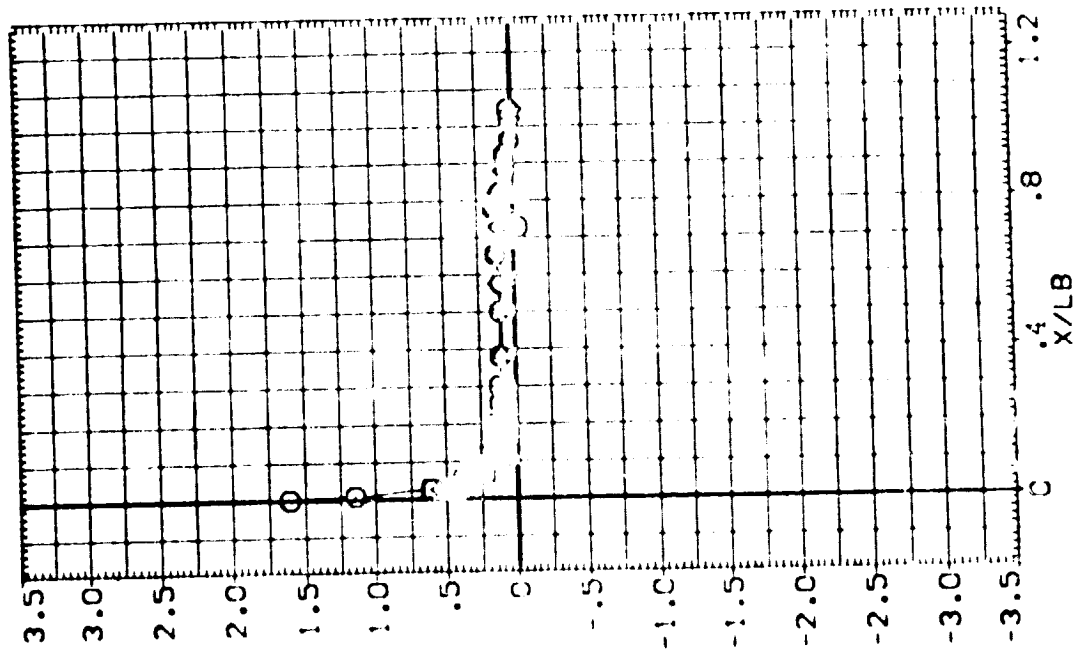
# ORB. FUSELAGE (RB4B16)

ARC97-716 CA22 01

PARAMETRIC VALUES  
 2.200 ELEVON  
 .000 SPOILER  
 MACH  
 RUDDER

SYMBOL  
 O [ ] < >

PHI .000  
 20.000  
 40.000  
 55.000  
 BETA 4.310  
 ALPHA 10.100



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

# ORB. FUSELAGE (RB4B16)

PR 99-716 (422 0)

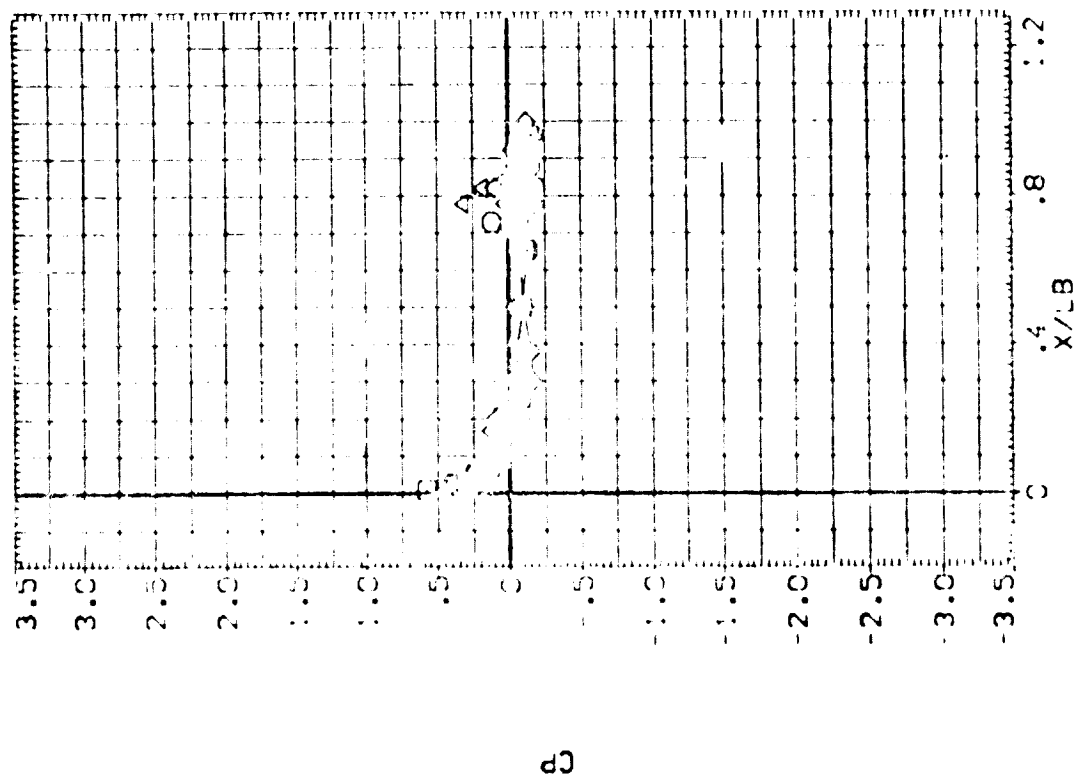
PARAMETRIC VALUES  
 2.200 ELEVON  
 .000 SPOON  
 .000

MACH  
 RUDDER

BETA  
 4.310

PHI  
 70.000  
 90.000  
 120.000  
 150.000

SYMBOL  
 0.000  
 0.000  
 0.000  
 0.000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

ARC97-716 GA22 01

ORB. FUSELAGE (RB4B16)

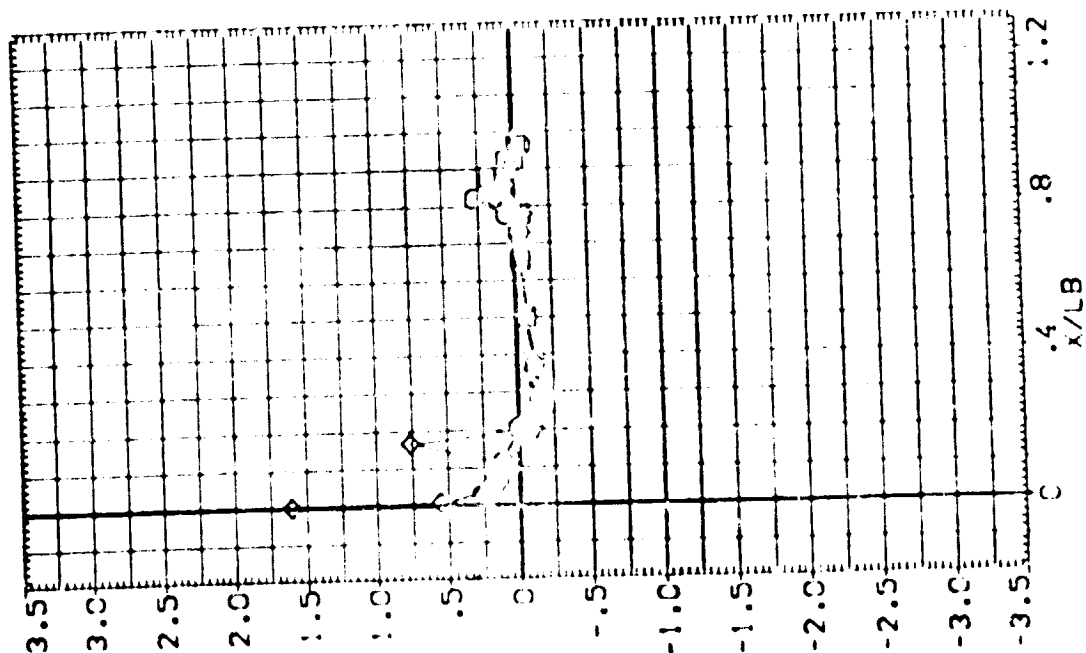
SYMBOL  
O [ ] ◇

PHI  
150.000  
165.000  
180.000

BETA ALPHA  
4.310 10.100

PARAMETRIC VALUES  
2.200 ELEVON  
.000 SPOILER  
.000

MACH  
RUDDER



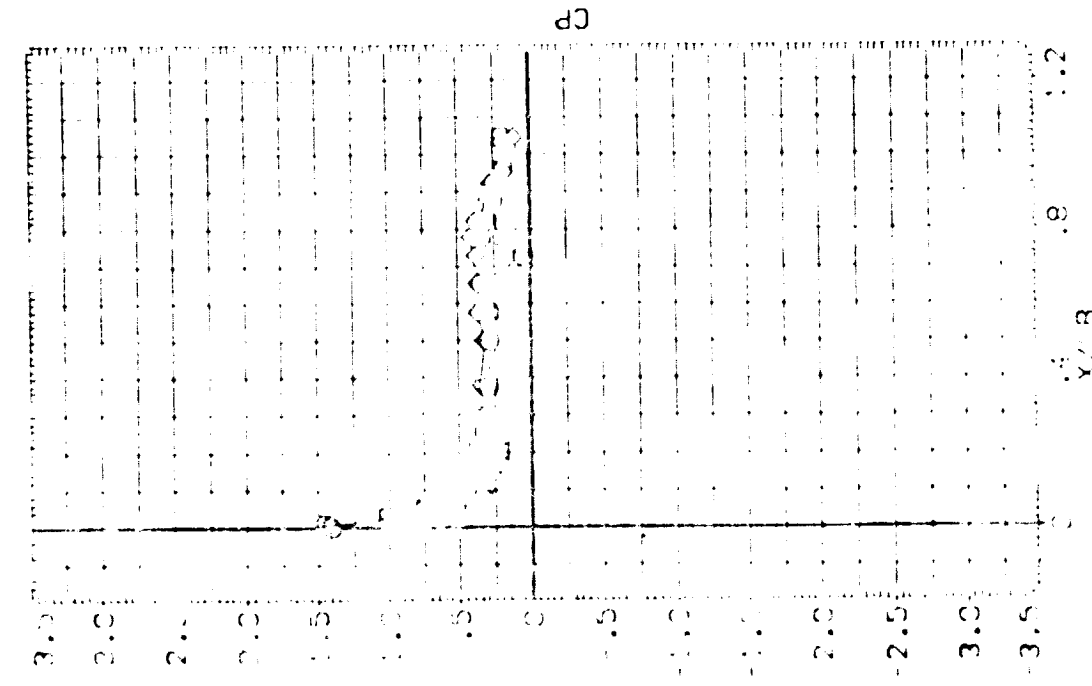
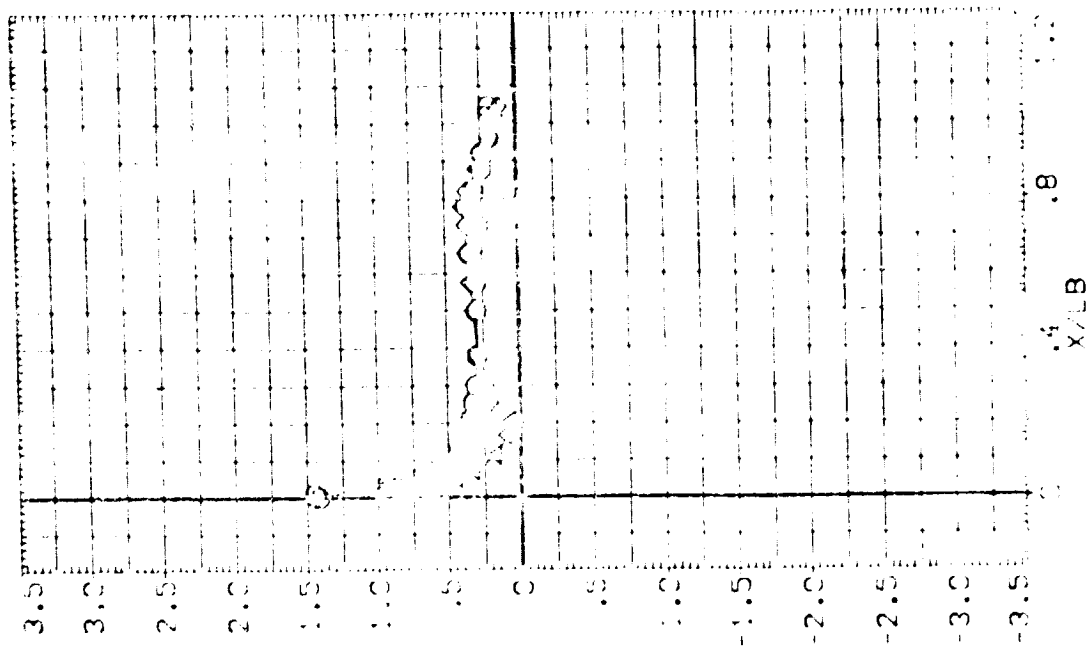
LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

# GRB. FUSELAGE (R34916)

PARAMETRIC VALUES  
 MACH 0.000  
 ELEVON 0.000  
 SPIN 0.000

ADDITIONAL CASES

NO. 1  
 0.000  
 20.000  
 40.000  
 55.000



LONG. DIST. FROM NOSE TO CENTER FUSELAGE PRESSURES

ARC97-716 CA22 01

CRB. FUSELAGE (RB4B16)

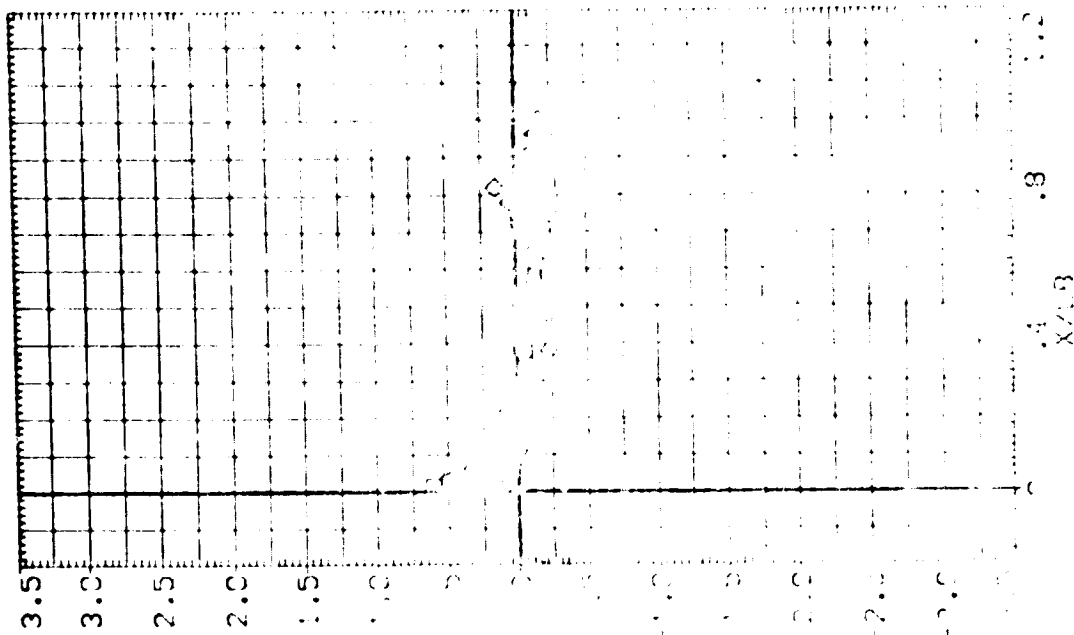
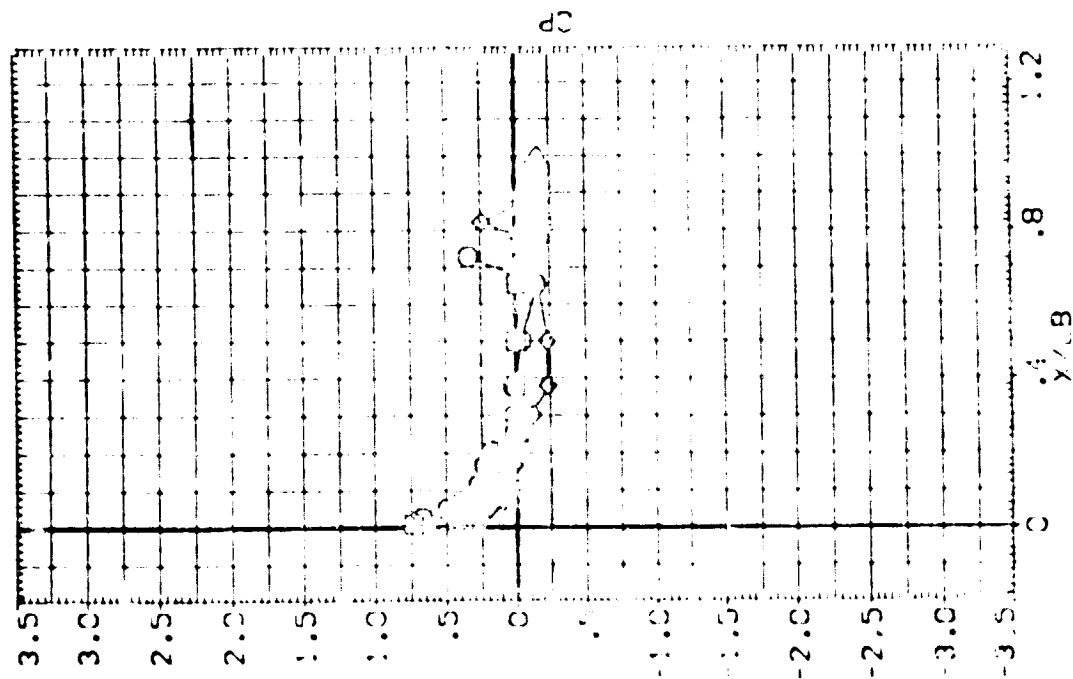
SYMBOL

70.000  
90.000  
120.000  
150.000

BETA  
-6.170  
-8.870

ALPHA  
20.390

PARAMETRIC VALUES  
2.200 ELEVON  
.000 SPEED  
MACH  
RUDDER



LONGITUDINAL DISTRIBUTION OF CRB FUSELAGE PRESSURES



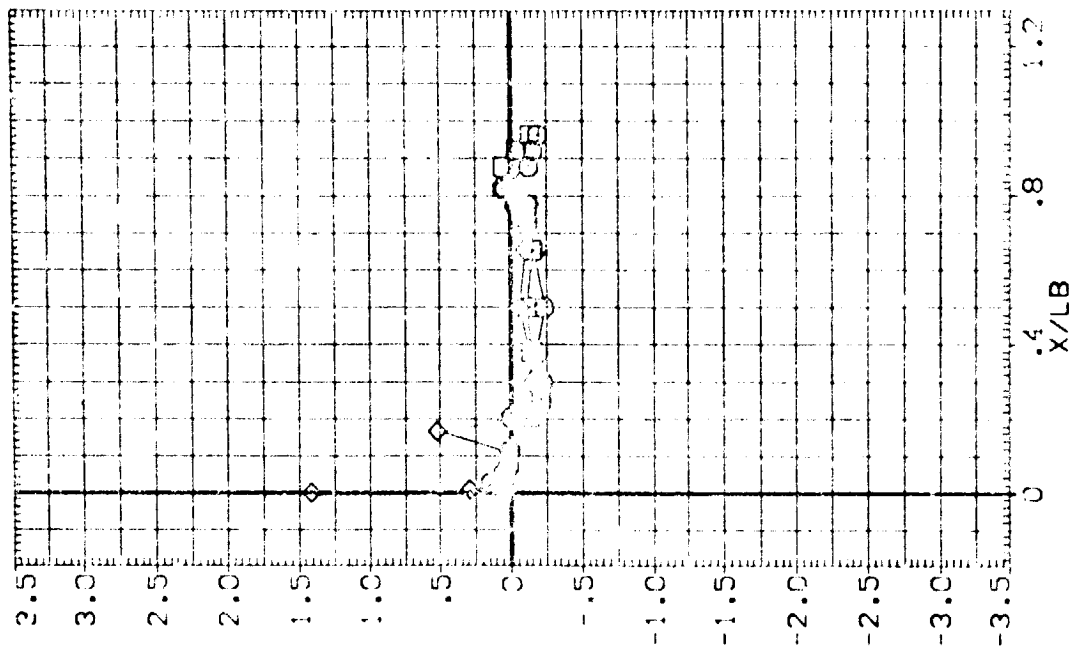
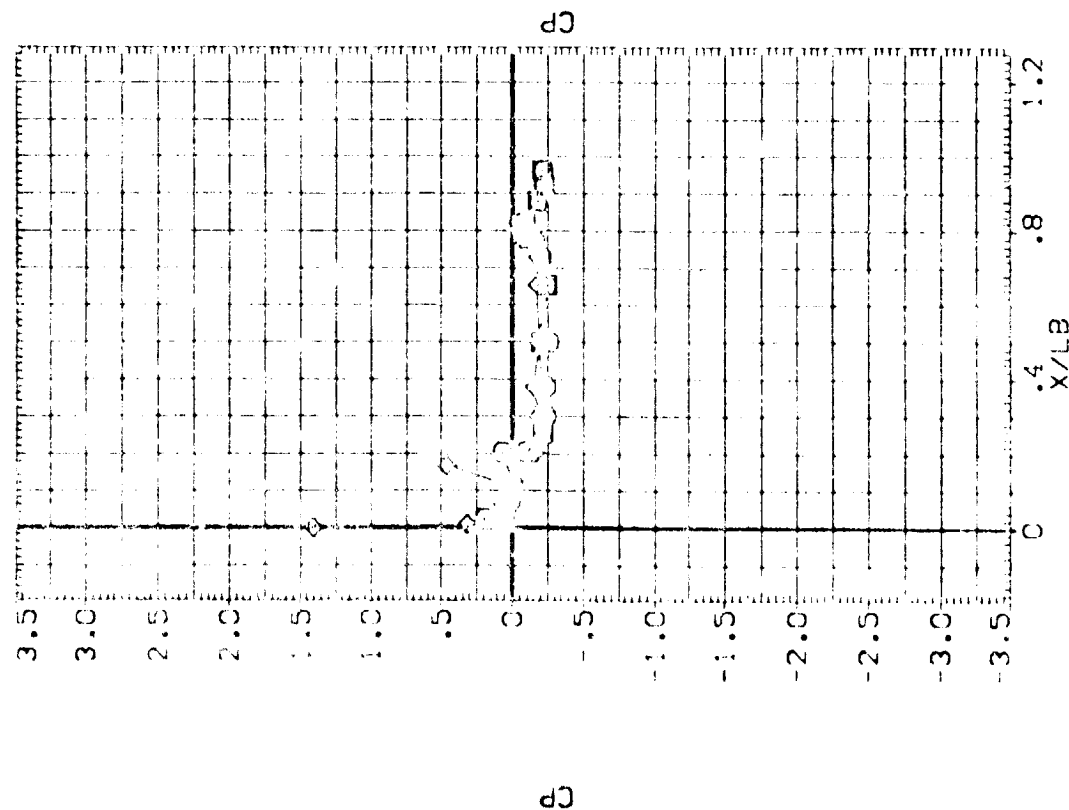
ARC97-716 0122 01

OR3. FUSELAGE (RB4B16)

50-50L  
150.000  
165.000  
180.500

3.1A  
-5.170  
-1.870

PARAMETRIC VALUES  
MACH 2.200  
RUDDEF .000  
ELEVON .000  
SPOBRK .000



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

ARC97-716 0A22 01

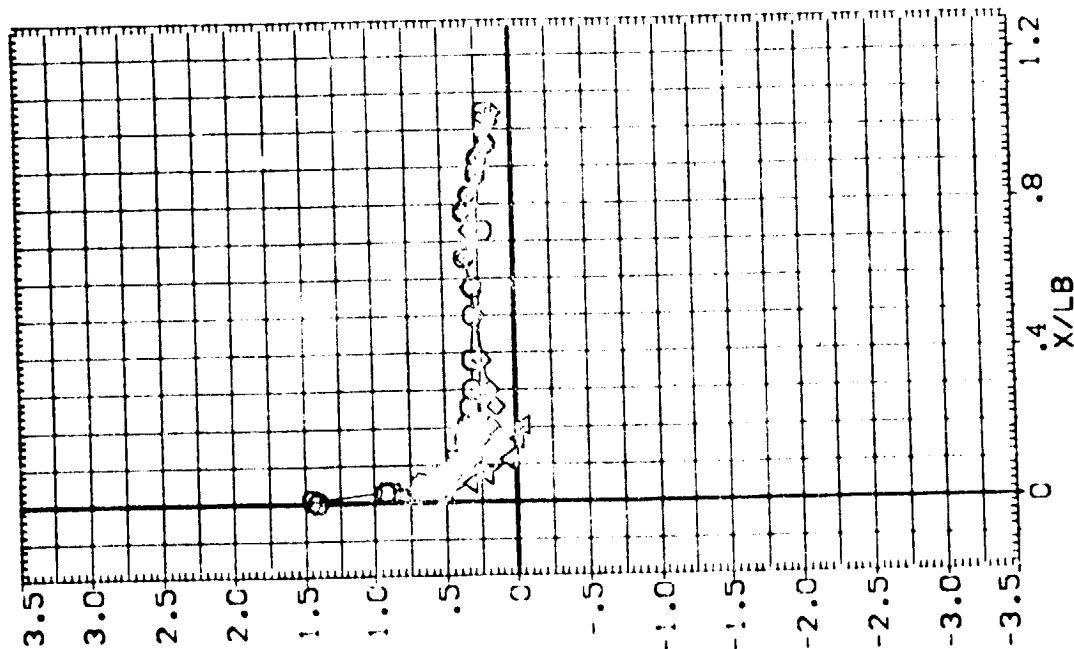
ORB. FUSELAGE (RB4B16)

SYMBOL  
○ □ ◇ △

PHI  
.000  
20.000  
40.000  
55.000

BETA ALPHA  
4.440 20.410

PARAMETRIC VALUES  
2.200 ELEVON  
.000 SPOILER  
MACH  
RUDDER



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

ARCS7-716 0A22 C:

ORB. FUSELAGE (RB4B16)

SYMBOL  
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 □  
 ◇  
 △

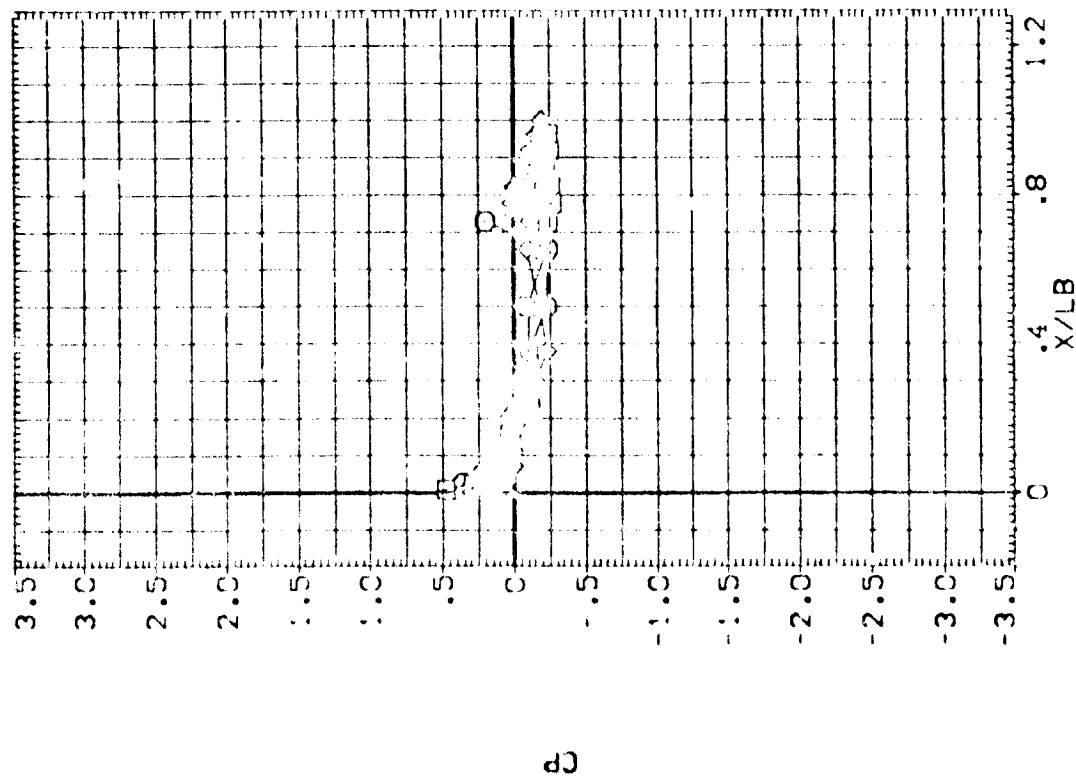
PHI  
 70.000  
 90.000  
 120.000  
 150.000

BETA  
 4.440  
 20.410

PARAMETRIC VALUES  
 2.200  
 ELEVON  
 .000  
 SPOILER

.000  
 .000

MACH  
 RUDDER



LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

# ORB. FUSELAGE (RB4B16)

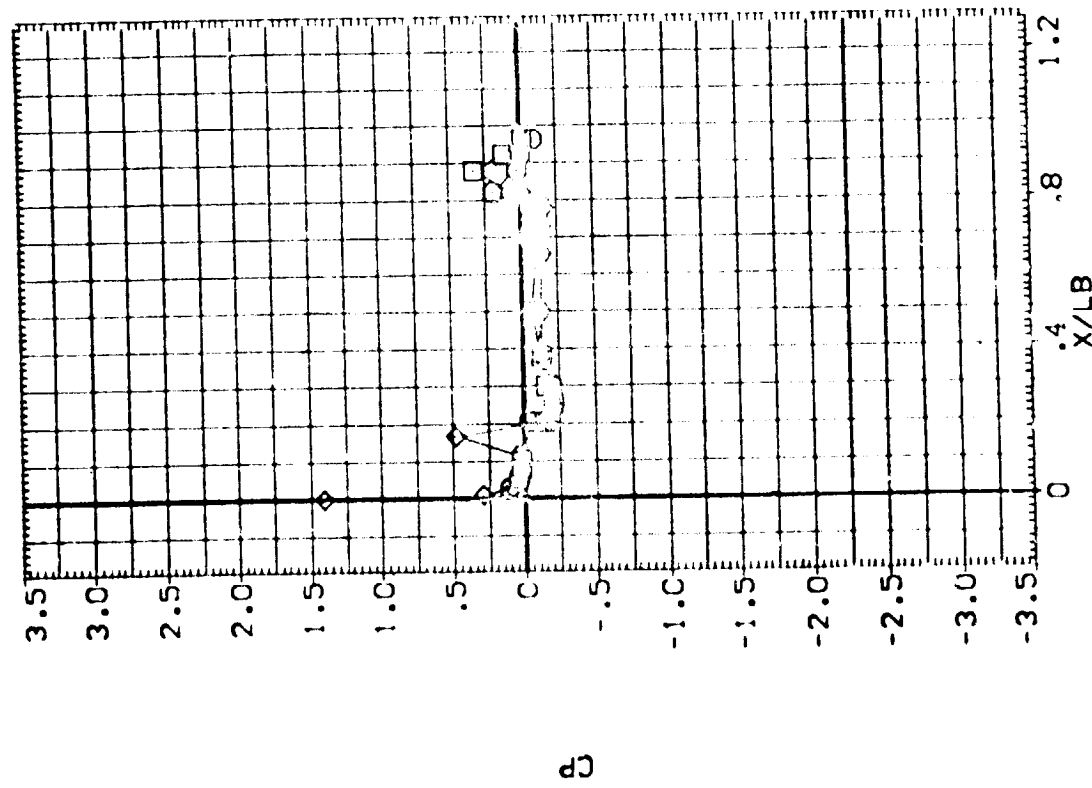
ARC97-716 0A22 01

97-800  
 150.000  
 165.000  
 180.000

PHI BETA ALPHA  
 150.000 4.440 20.410  
 165.000  
 180.000

PARAMETRIC VALUES  
 2.200 ELEVON  
 .000 SPOBRK  
 .000

MACH  
 RUDDER



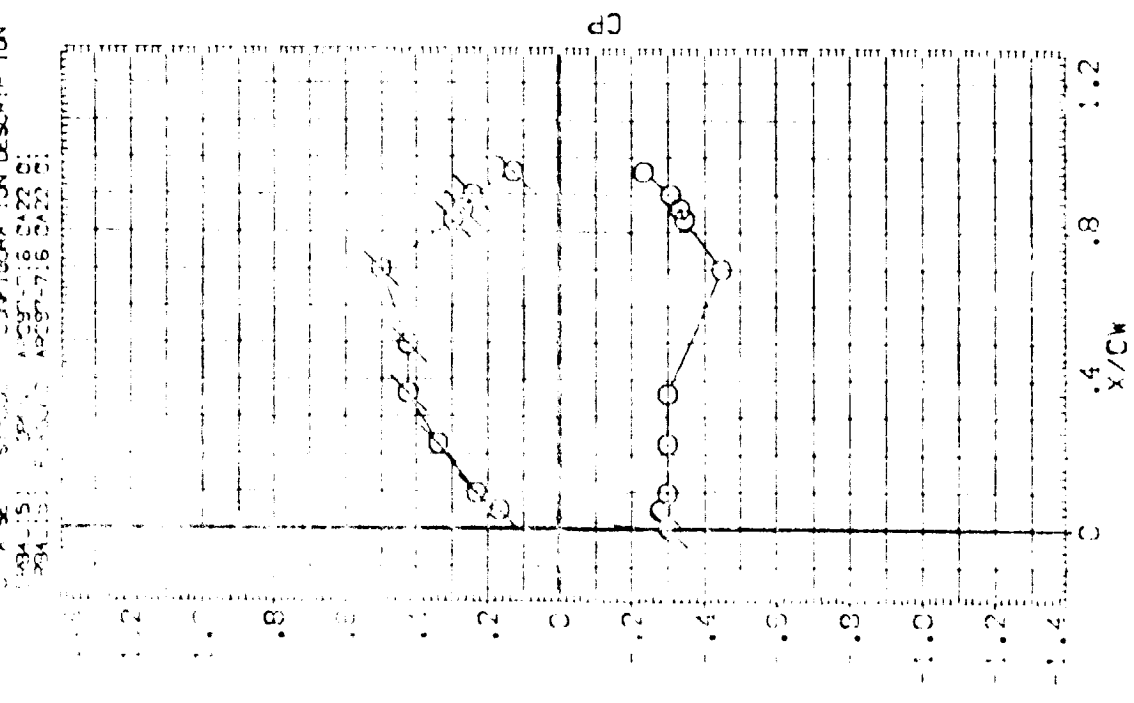
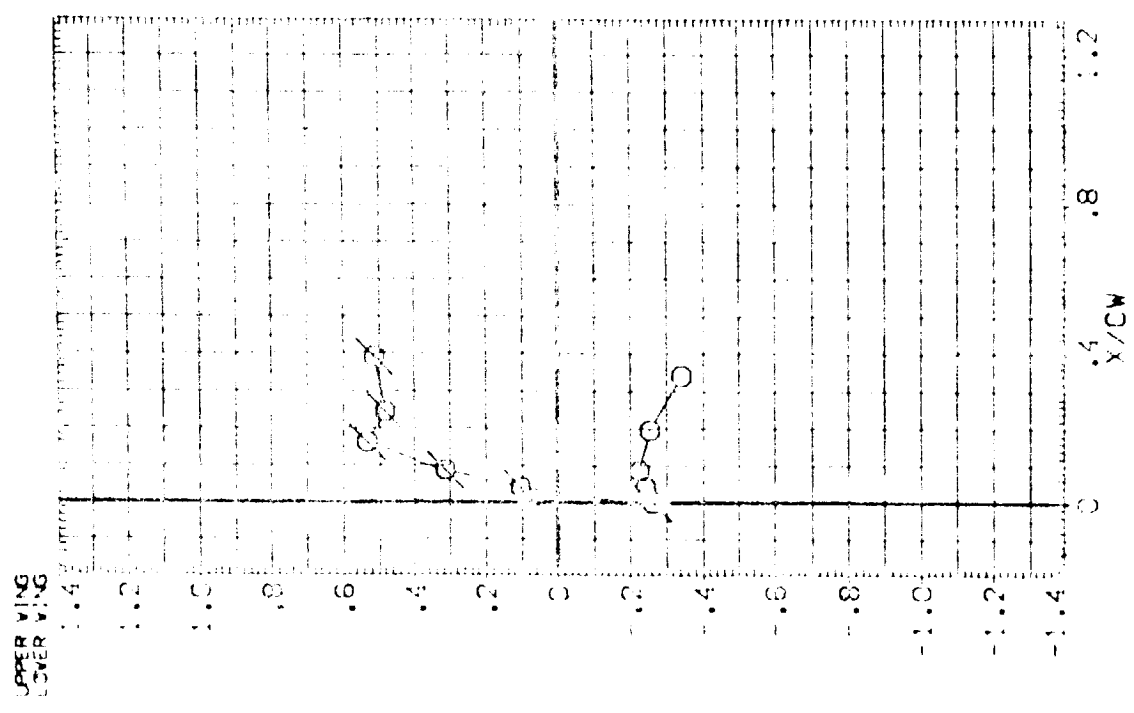
LONGITUDINAL DISTRIBUTION OF ORBITER FUSELAGE PRESSURES

PARAMETRIC VALUES  
 MACH 1.050 ELEVON .000  
 RUDDER .000

UPPER WING  
 LOWER WING

DATA SET: SMOO CONFIGURATION DESCRIPTION  
 (184-15) 184-15 184-15 184-15 184-15  
 (184-15) 184-15 184-15 184-15 184-15

SIMUL ALPHA 70.370  
 1/24 1.000  
 BETA -5.340  
 1/24 1.000



CLOCKWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

SYMBOL  
O

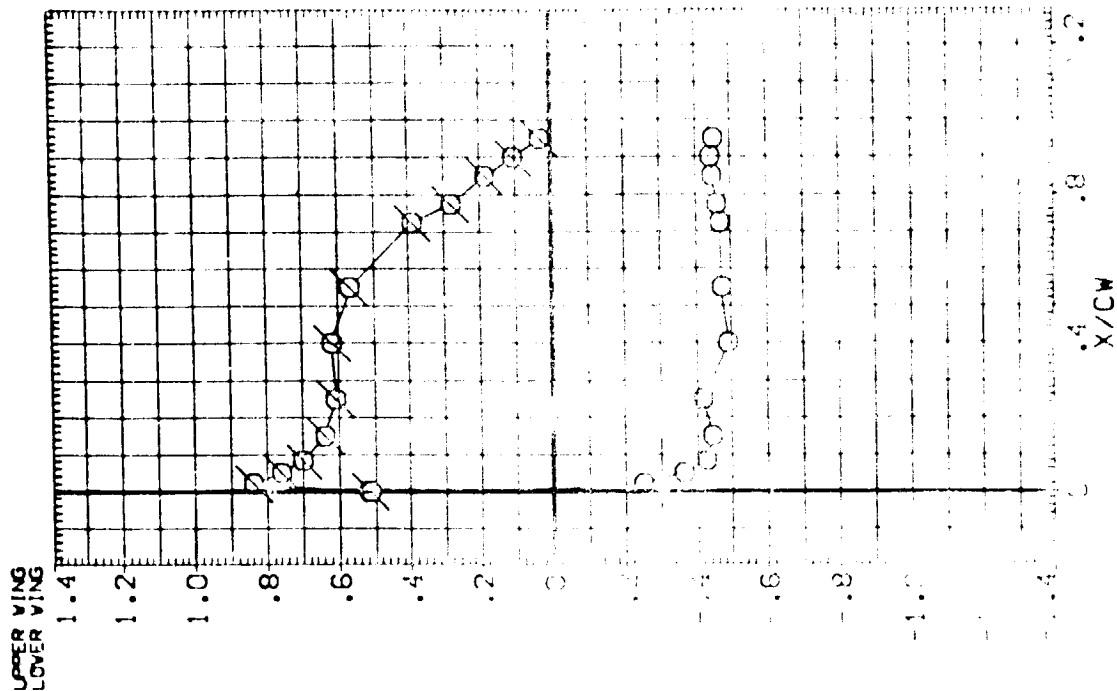
ALPHA  
20.320

V/BV  
.427  
.534

BETA  
-5.340

PARAMETRIC VALUES  
MACH  
1.550  
ELEVON  
.000  
RUDDER  
SPDRK  
.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RBAU:5) OPEN ARC97-716 CA22 01  
(RBAU:5) FLAGGED ARC97-716 CA22 01



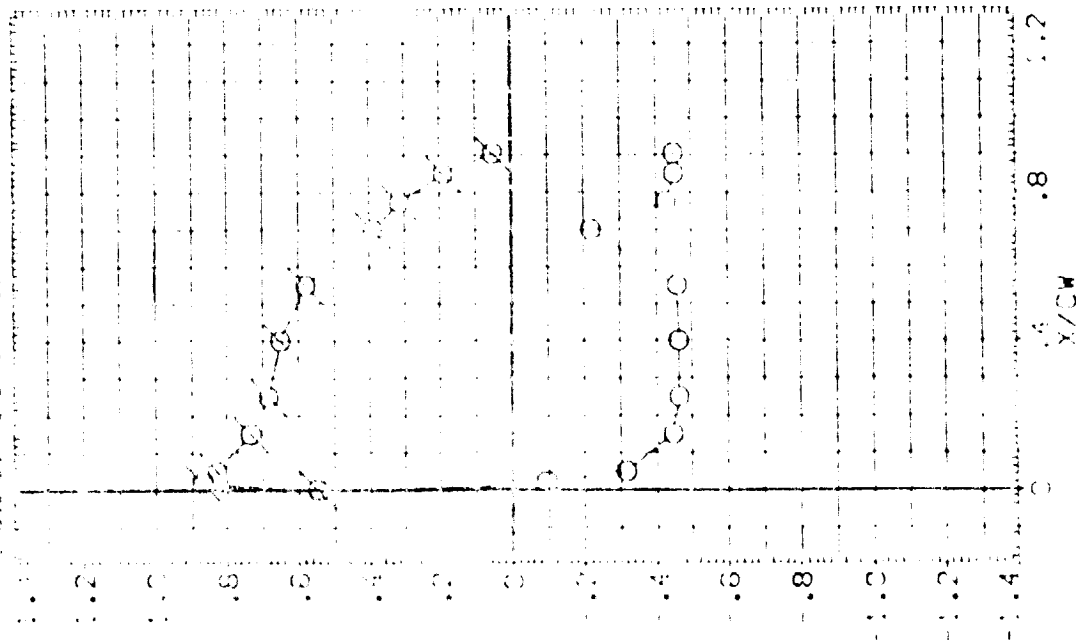
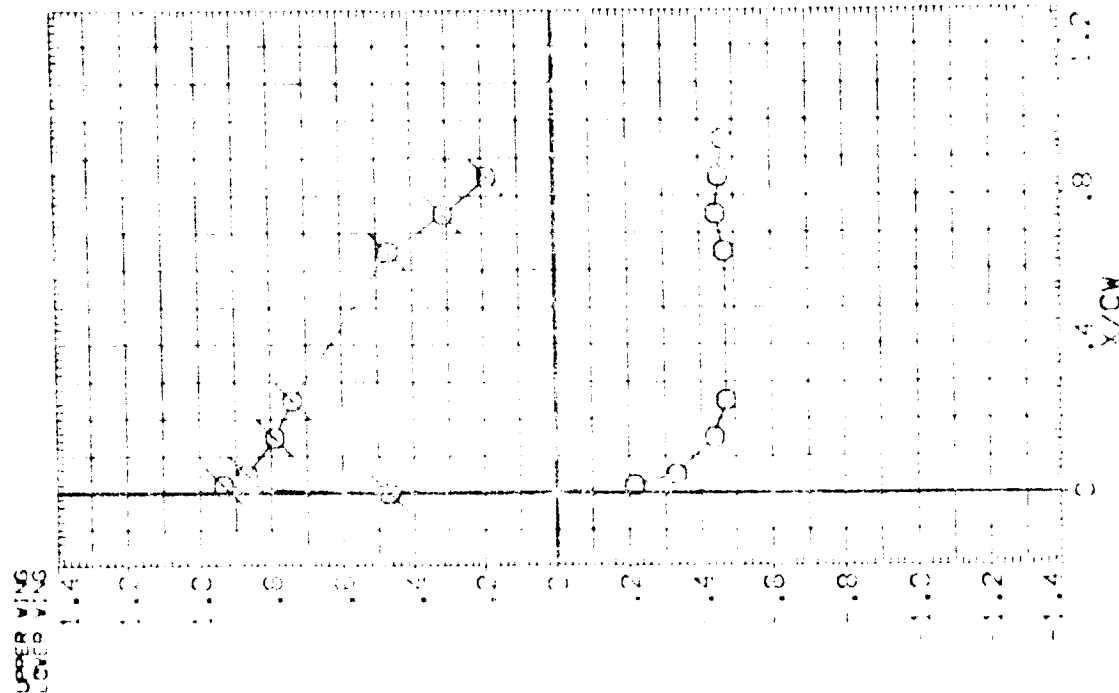
CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE PRESSURES

PARAMETRIC VALUES  
MACH 1.550 ELEVON .000  
RUDDER .000

UPPER WING  
LOWER WING

DATA SET S-400 CONFIGURATION DESCRIPTION  
1994-151 03X1 ARGON-116 C-22 C1  
1994-151 03X2 ARGON-116 C-22 C1

SYMBOL ALPHA 1/3A BETA  
O 20.370 .673 5.340  
ABC



COEFFICIENTS OF PRESSURE OF UPPER AND LOWER SURFACE WING PRESSURES

SYMBOL  
O

ALPHA  
20.320

Y/BV  
.007

BETA  
-5.310

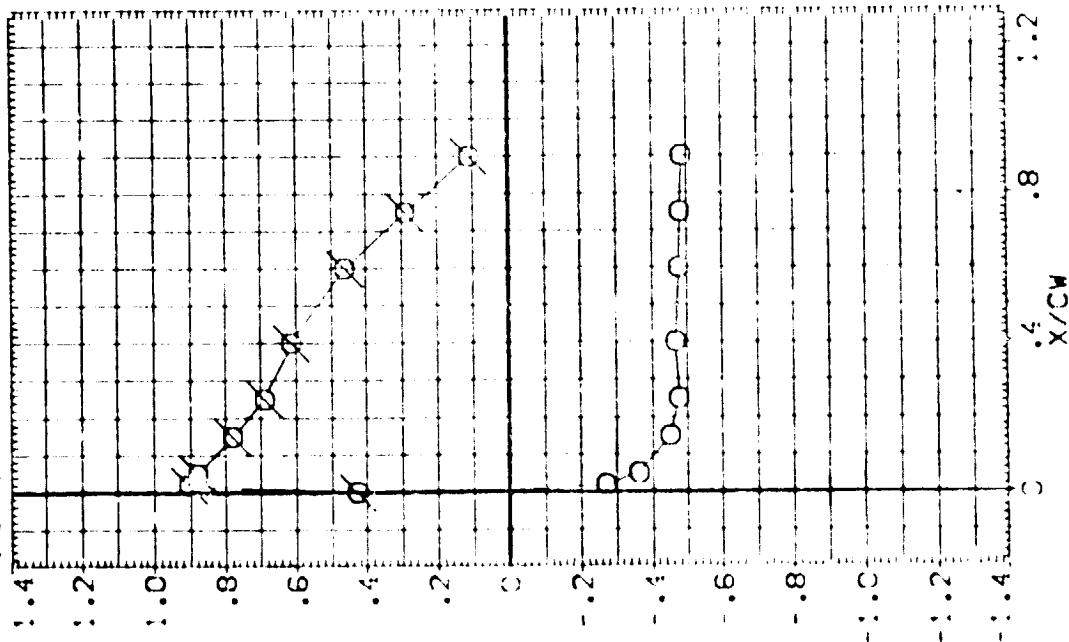
PARAMETRIC VALUES  
1.550 ELEVON  
.000 SPOILER

.000  
.000

MACH  
RUDDER

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
[RBAU15] OPEN ARC97-7:6 DAZZ 0:  
[RBAU15] FLAGGED ARC97-7:6 DAZZ 0:

UPPER WING  
LOWER WING



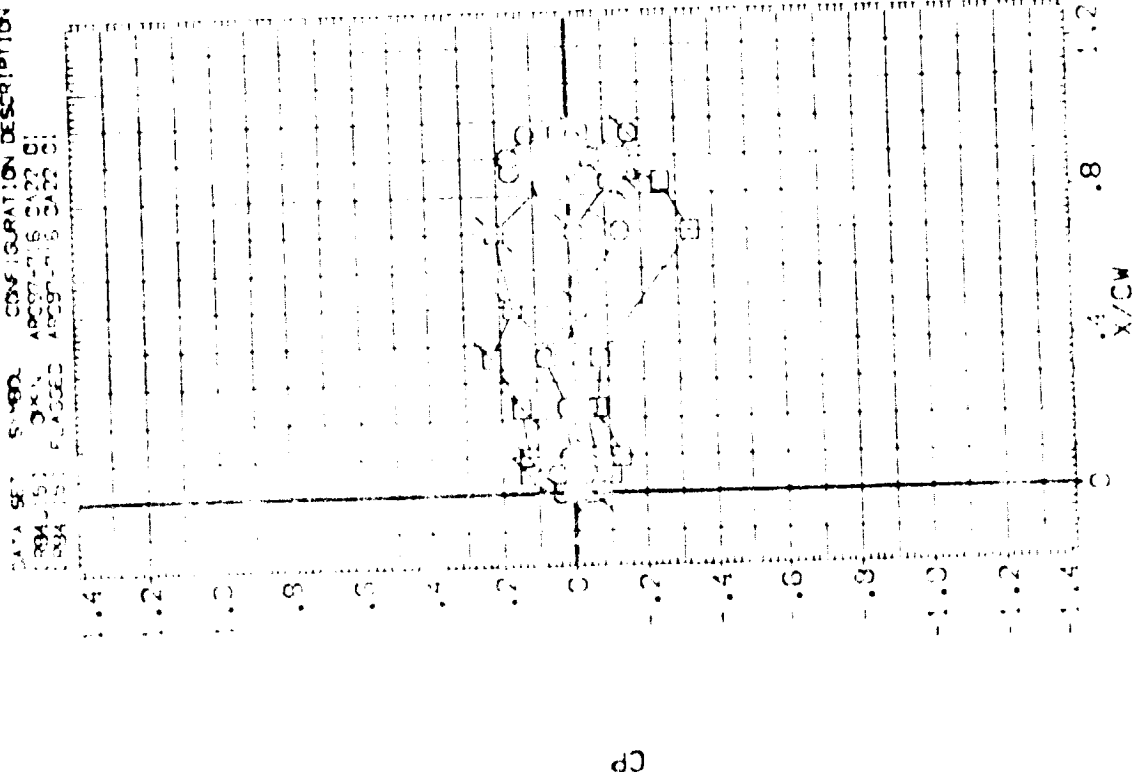
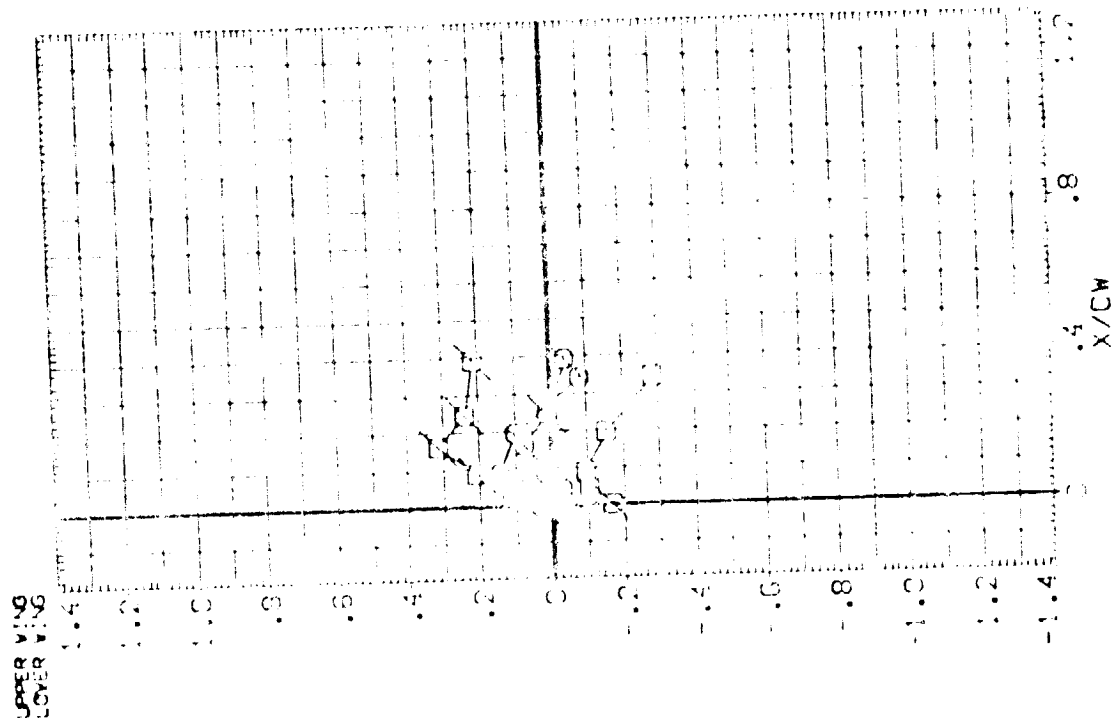
CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE STATIC PRESSURES



PARAMETRIC VALUES  
 MACH 1.550 ELEVON .000  
 RUDDER .000

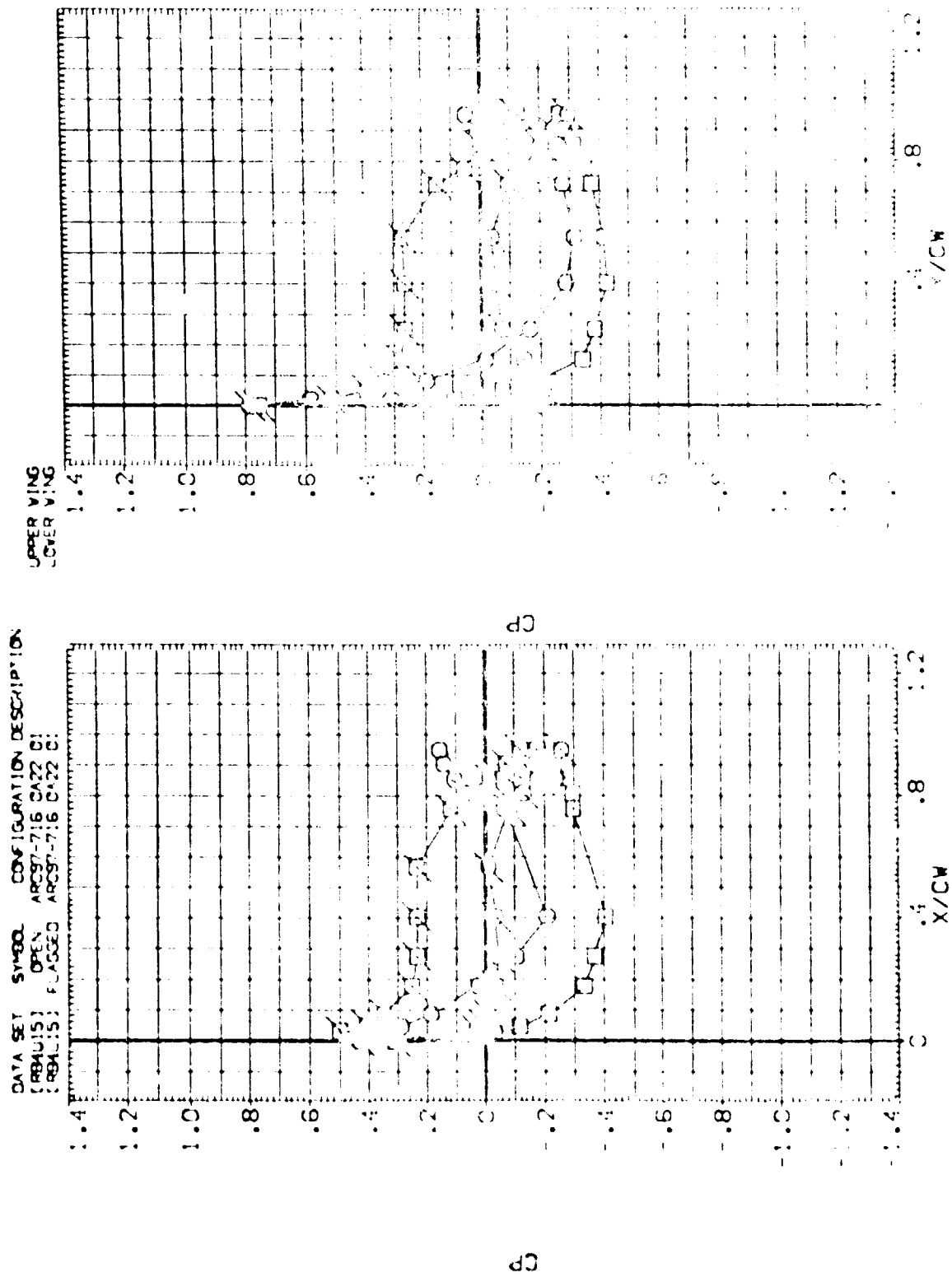
SYMBOL ALPHA C/PN SEYA  
 -1.130 .799 -1.940  
 10.050 .364

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 RMU-51 3X1 APOG-716 3122 C  
 334 75 FLASSED APOG-716 3122 C



CHARACTERISTICS OF UPPER AND LOWER SURFACE WING PRESSURES

SYMBOL	ALPHA	V/BW	BETA	MACH	PARAMETRIC VALUES
○	-1.130	.477	-1.940	RUDDER	1.550 ELEVON
□	10.090	.534			.000 SPDRBK
					.000



CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE STATIC PRESSURES



SYMBOL ALPHA V/BV BETA  
 O -0.130  
 □ 0.080

V/BV .087 BETA -4.940

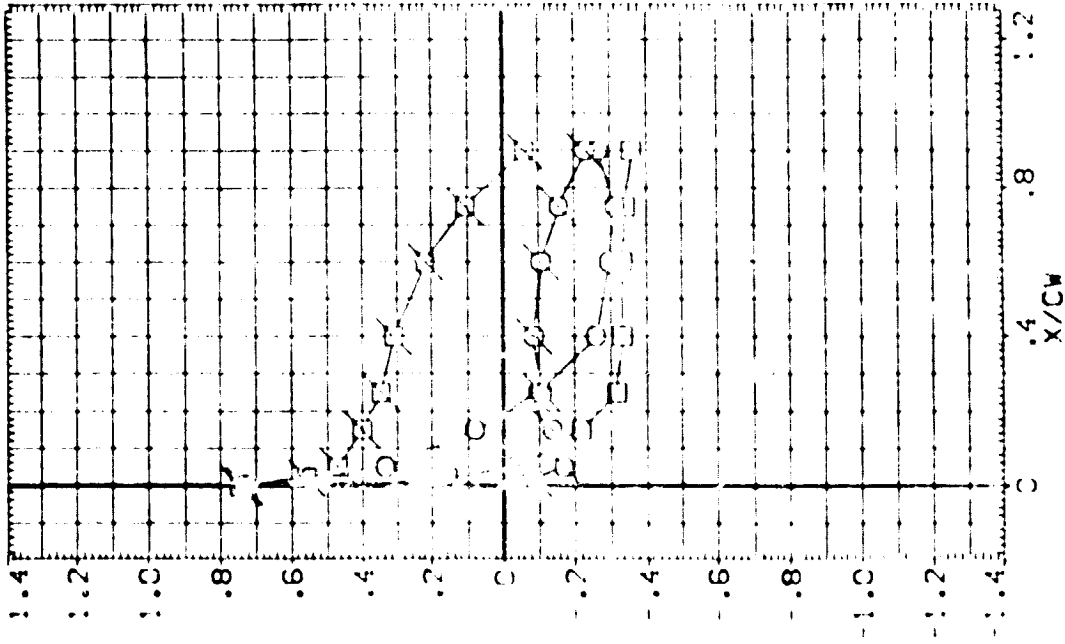
PARAMETRIC VALUES  
 1.550 ELEVON  
 .000 SPDBRK  
 .000

MACH  
 RUDDER

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBAL15) OPEN ARC97-7:6 CA22 C1  
 (RBAL15) FLANGED ARC97-7:6 CA22 C1

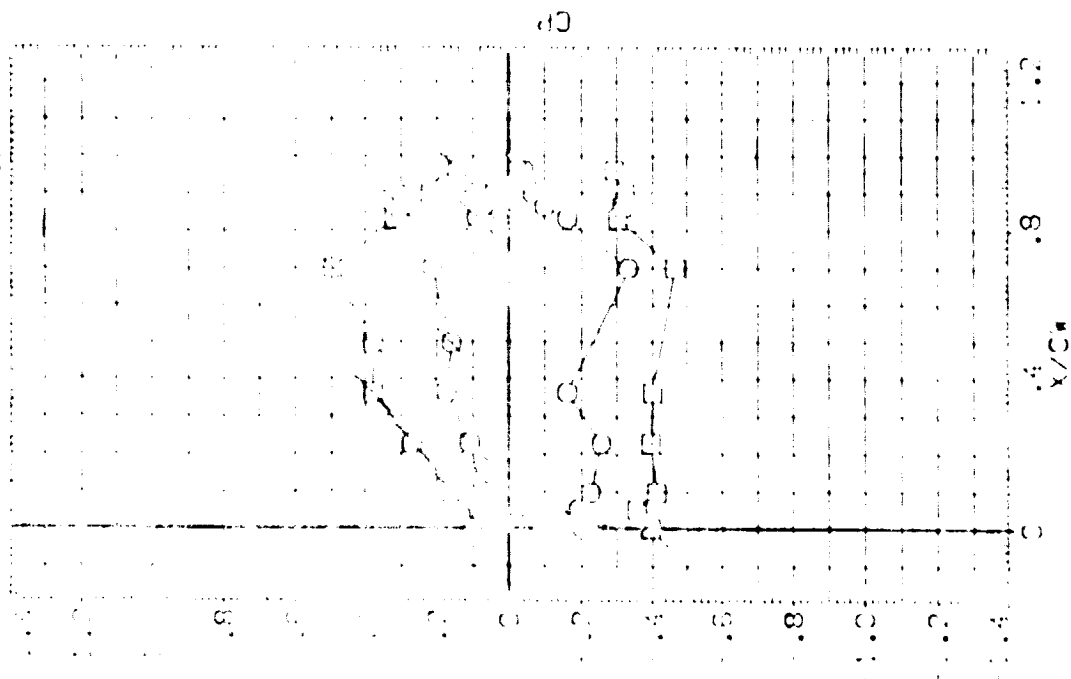
UPPER WING  
 LOWER WING



CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

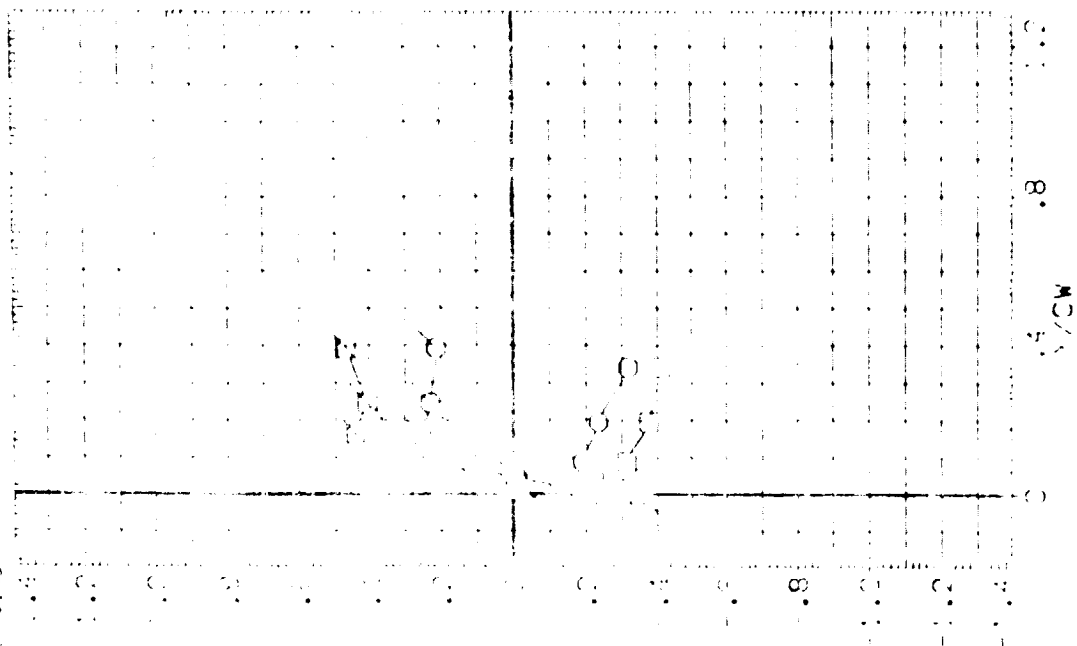
STEFAN SCHNEIDER, *University of Vienna*

REPORT  
PAGE

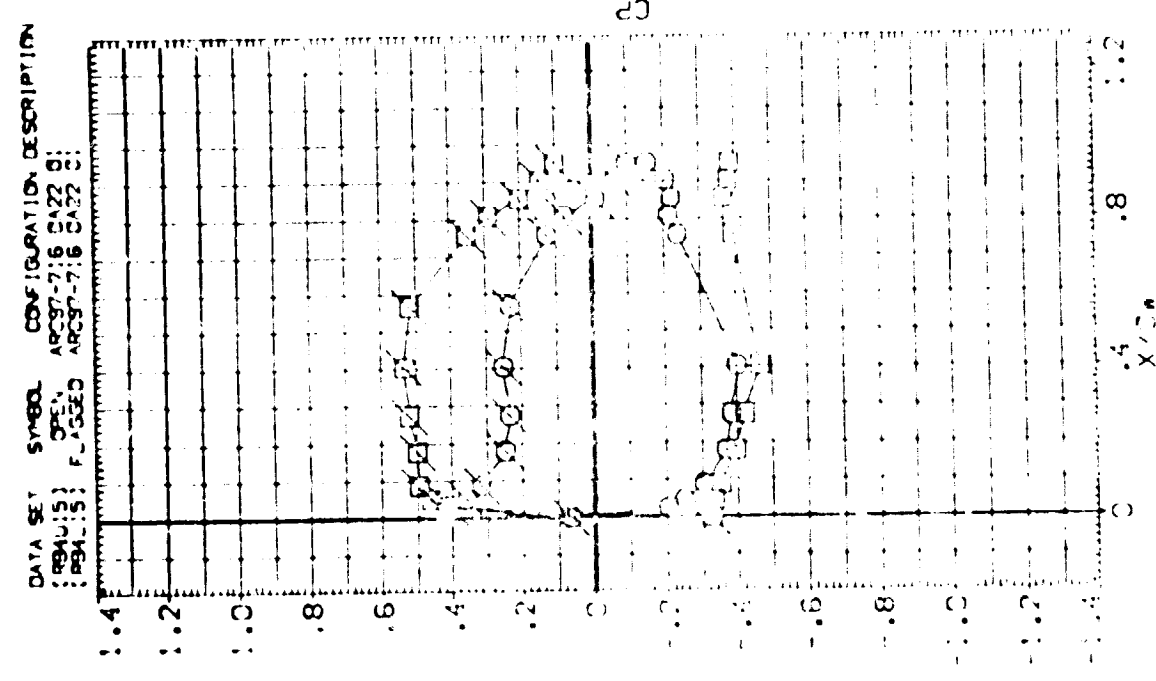
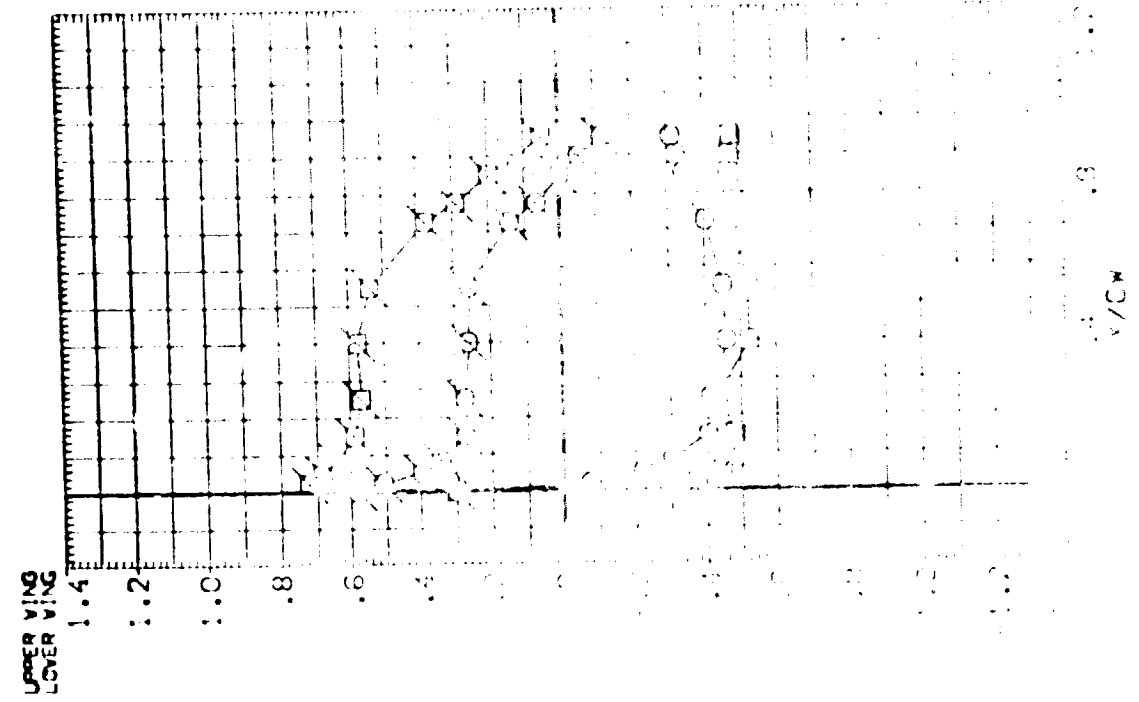
[illegible][illegible][illegible]

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2000



PARAMETRIC VALUES  
 MACH 1.550 ELEVON .000  
 RUDDER .000



CHORDWISE DISTRIBUTION OF UPPER AND LOWER WING PRESSURES

712

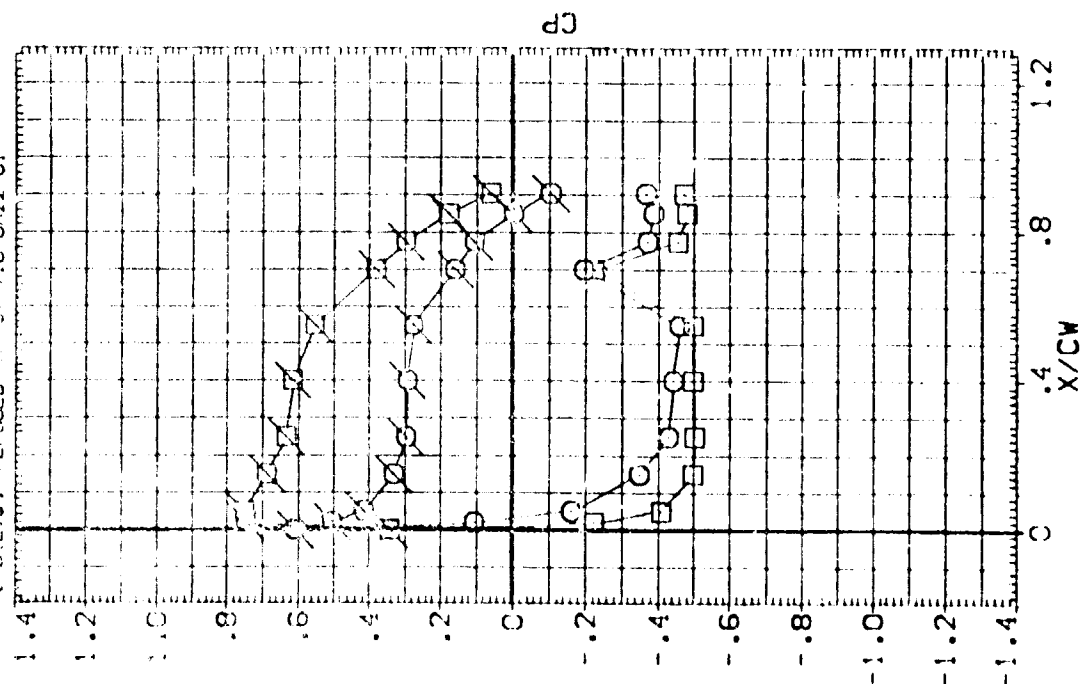
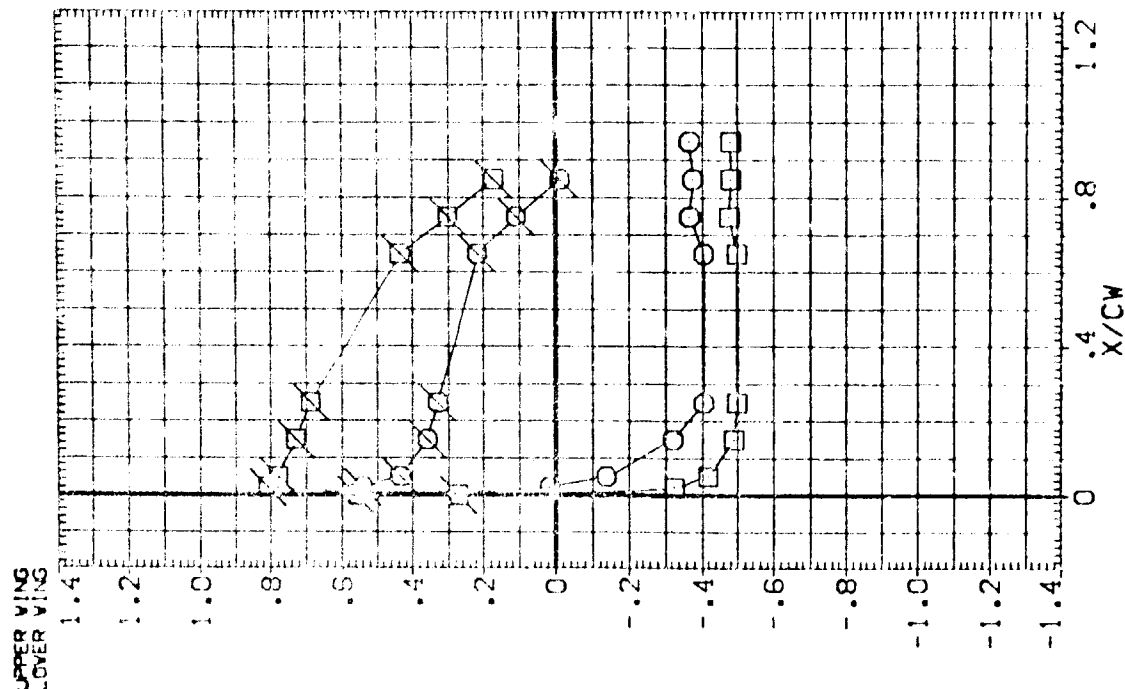
SYMBOL  
 10.080  
 20.320

Y/DV  
 .573  
 .780

BETA  
 -.150

PARAMETRIC VALUES  
 MACH 1.550  
 ELEVON .000  
 RUDDER .000  
 SPOILER .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (P84J15) OPEN ARC97-716 OA22 01  
 (P84J15) FLAGGED ARC97-716 OA22 01



CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

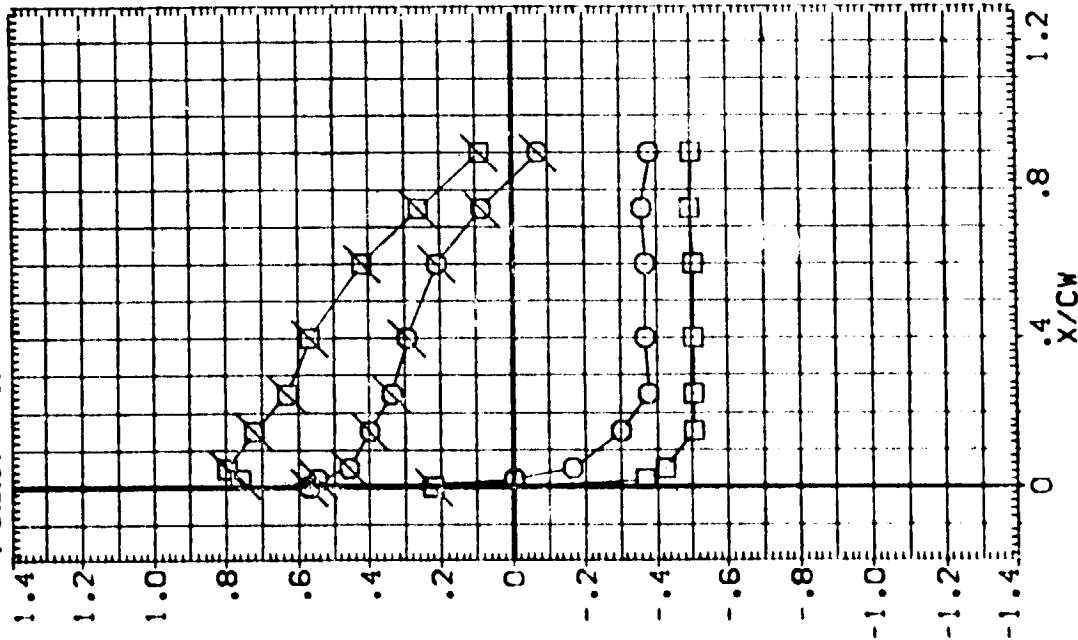
SYMBOL ALPHA 10.090 20.323

Y/BN .887 BETA -.150

MACH 1.550  
RUDDER .000  
PARAMETRIC VALUES  
ELEVON .000  
SPDBRK .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
[RBAU1S] OPEN ARC97-716 QAZZ 01  
[RBAU1S] FLAGGED ARC97-716 QAZZ 01

UPPER WING  
LOWER WING



CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

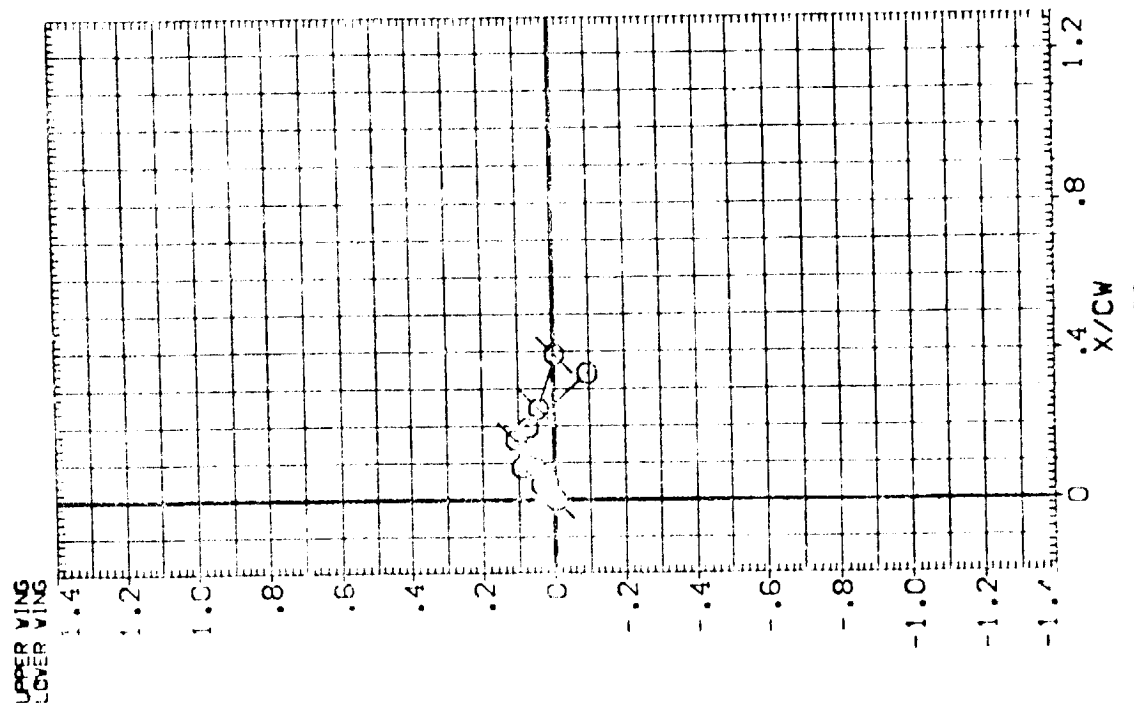
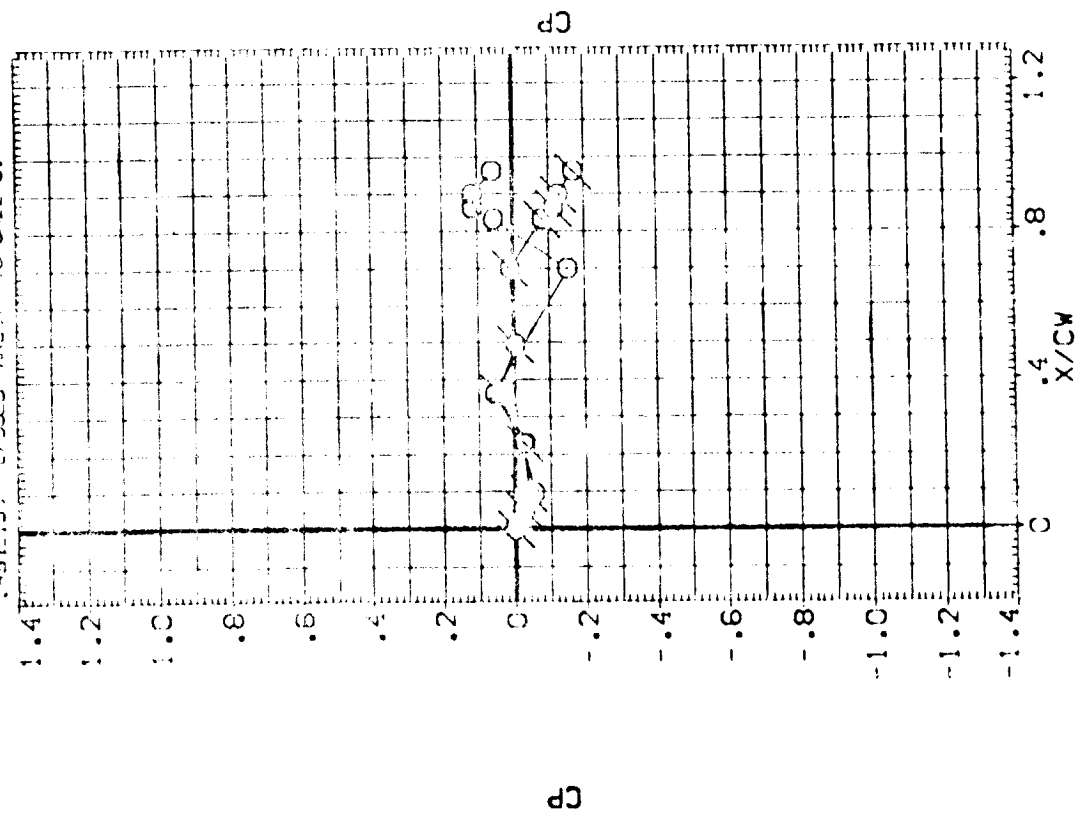




SYMBOL  $\alpha$   $\gamma/\beta$   $\beta$   
 0 -1.130 .299 .080  
 .364

PARAMETRIC VALUES  
 HACH 1.550 ELEVON .000  
 RUDDER .000 SPOBRK .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 [RB4] [S] OPEN ARCS 116 CA22 01  
 [PS1] [S] FLASSED ARCS 116 CA22 01



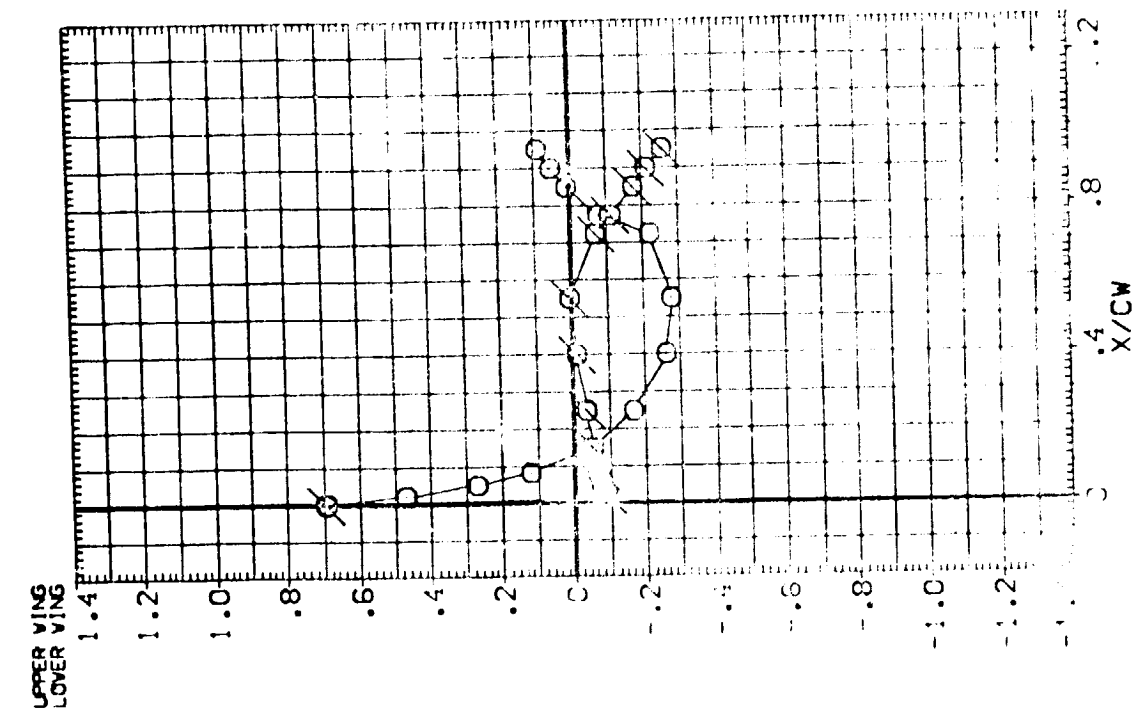
CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

PARAMETRIC VALUES  
 MACH 1.550 ELEVON .000  
 RUDDER .000

UPPER WING  
 LOWER WING

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (R84U15) OPEN ARC97-716 DA22 01  
 (R84L15) FLAGGED ARC97-716 DA22 01

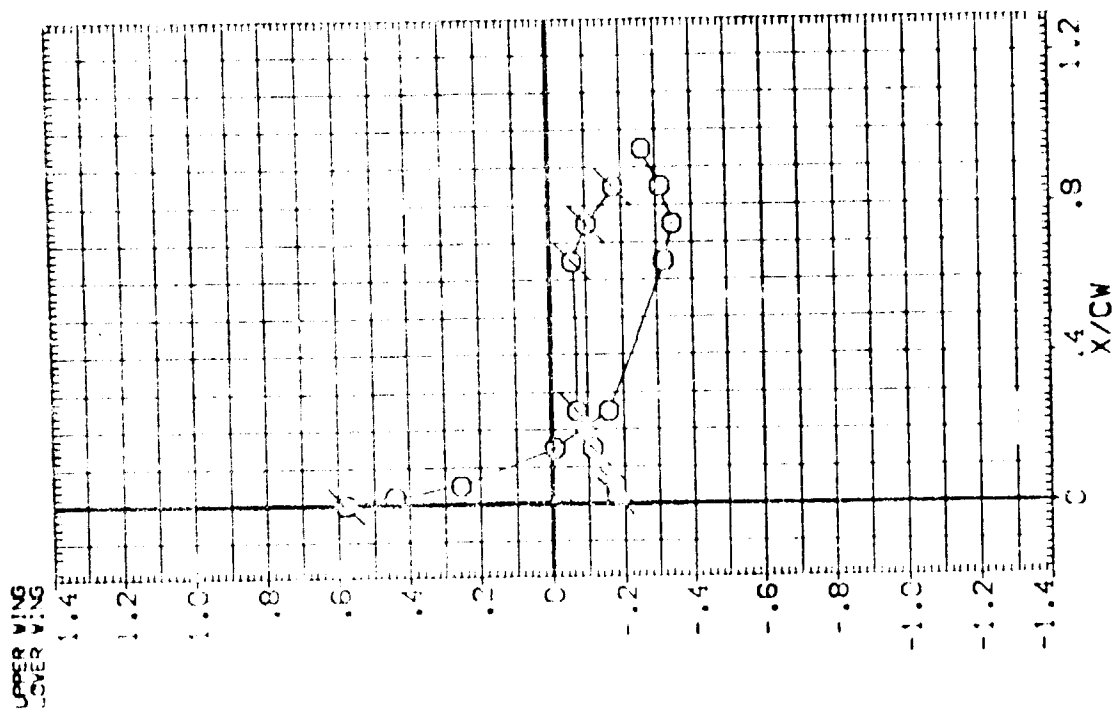
SYMBOL ALPHA Y/BV BETA  
 O -.130 .427 .080  
 .534



CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE PRESSURES

SYMBOL  $\alpha$   $\beta$   $\gamma$   $\delta$   $\epsilon$   $\zeta$   $\eta$   $\theta$   $\iota$   $\kappa$   $\lambda$   $\mu$   $\nu$   $\xi$   $\omicron$   $\pi$   $\rho$   $\sigma$   $\tau$   $\upsilon$   $\phi$   $\chi$   $\psi$   $\omega$   $\delta$   $\epsilon$   $\zeta$   $\eta$   $\theta$   $\iota$   $\kappa$   $\lambda$   $\mu$   $\nu$   $\xi$   $\omicron$   $\pi$   $\rho$   $\sigma$   $\tau$   $\upsilon$   $\phi$   $\chi$   $\psi$   $\omega$

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (894) (5) 0500 15000-716 0422 01  
 (894) (5) 0500 15000-716 0422 01



CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

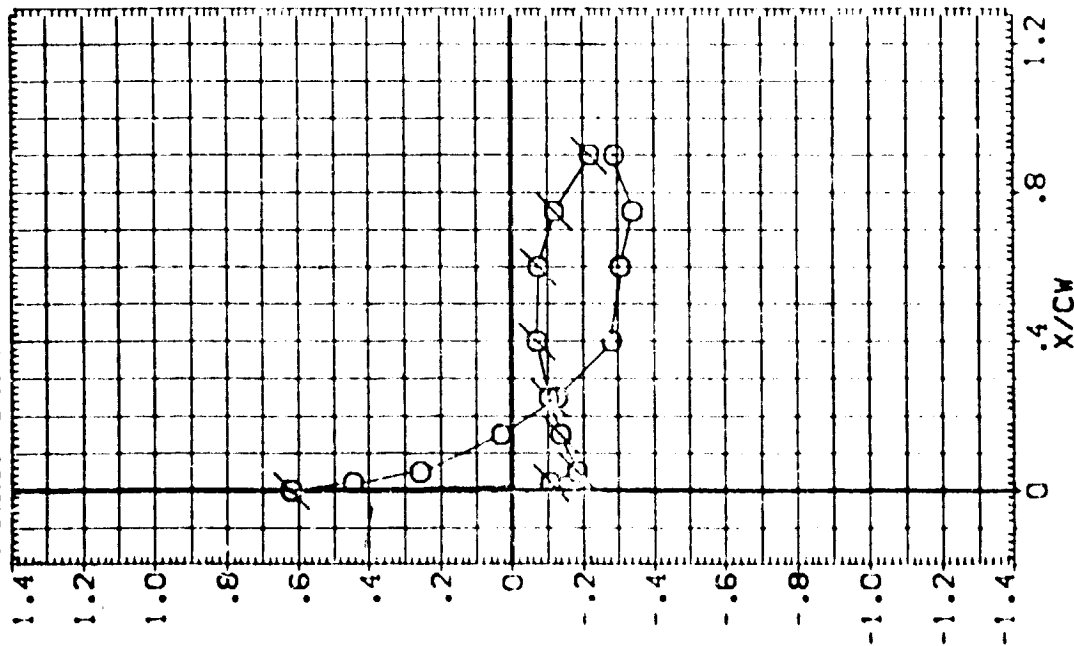
SYMBOL ALPHA  
O -1.30

V/BV BETA  
.087 .080

PARAMETRIC VALUES  
MACH 1.550  
ELEVON .000  
RUDDER .000  
SPOILER .000

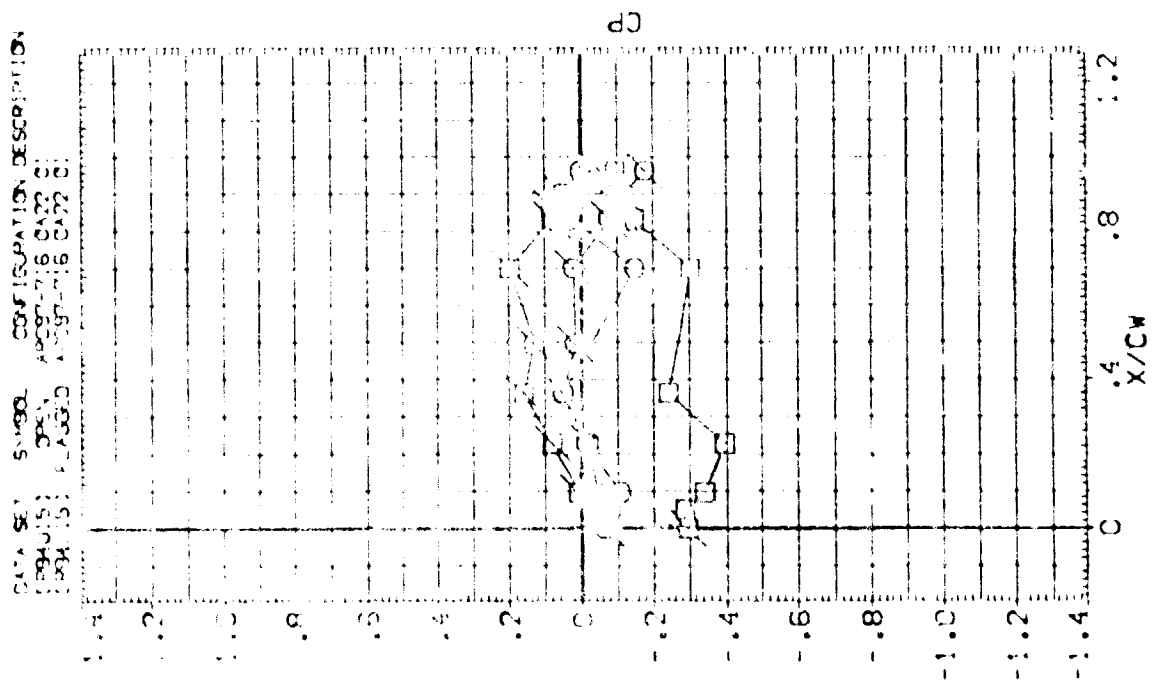
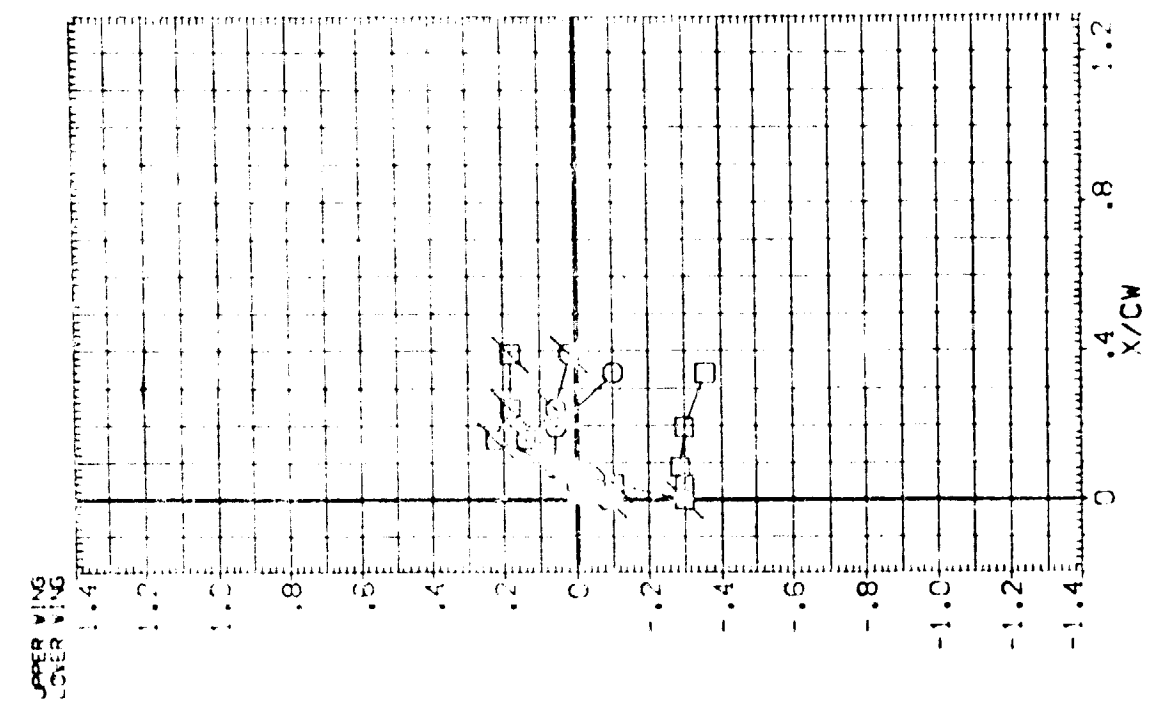
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RBAU)5 OPEN ARCS7-716 OA22 G1  
(RBAU)5 FLAGGED ARCS7-716 OA22 G1

UPPER WING  
LOWER WING



CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

PARAMETRIC VALUES  
 MACH 1.550 ELEVON .000  
 RUDDER .000

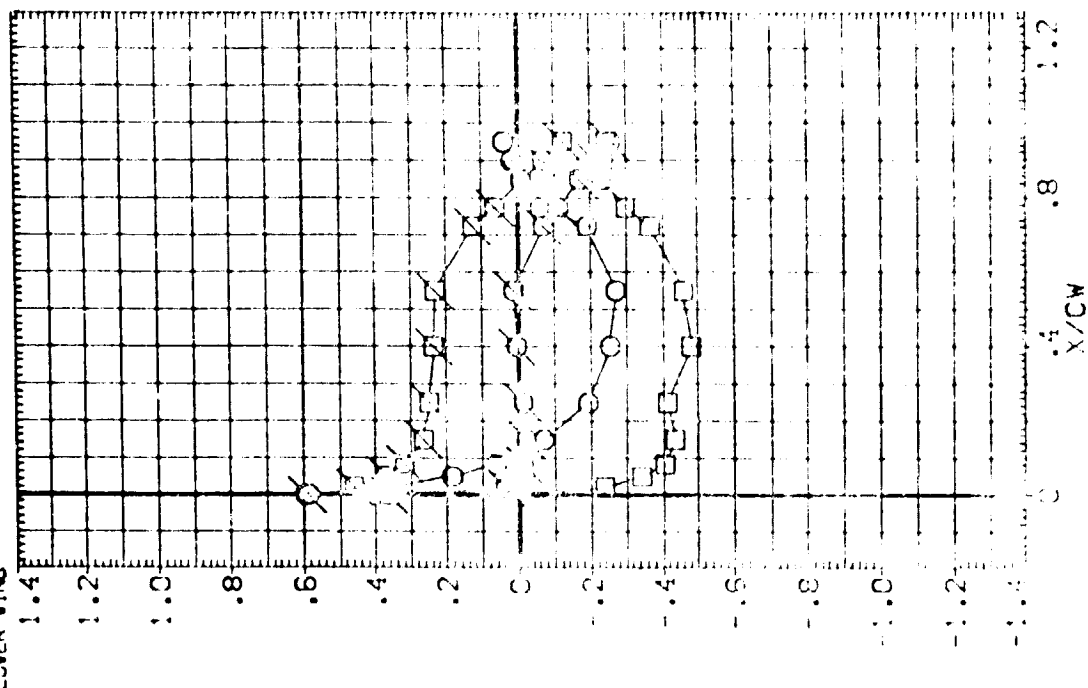
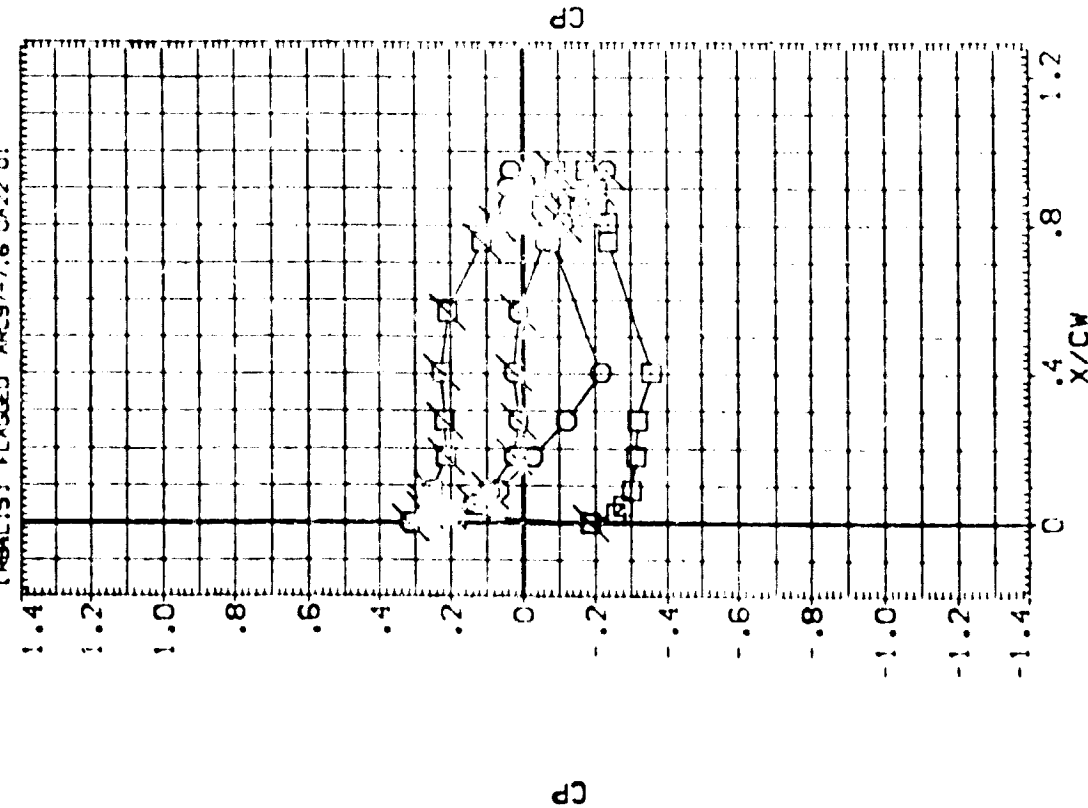


CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

SYMBOL ALPHA Y/BV BETA  
 O -1.130 .427 5.040  
 □ 10.090 .534

MACH RUDDER  
 1.550 .000  
 ELEVON SPOBRK .000

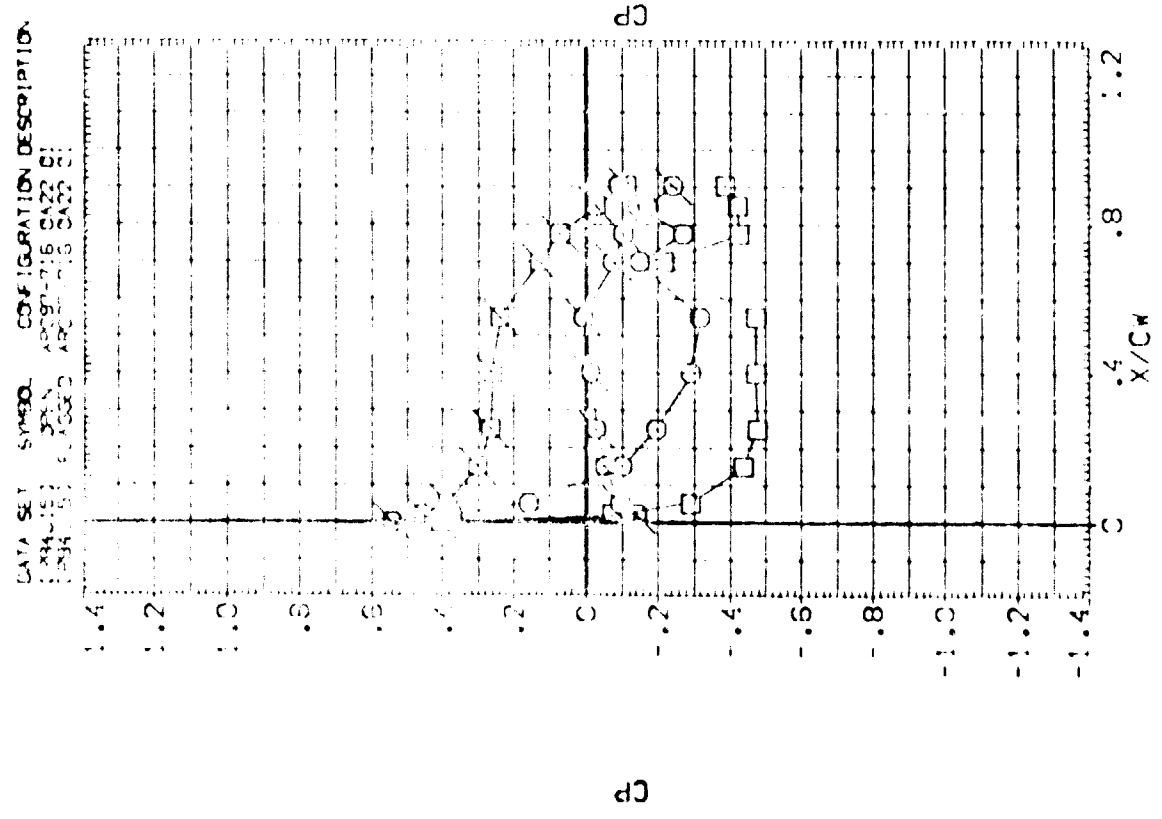
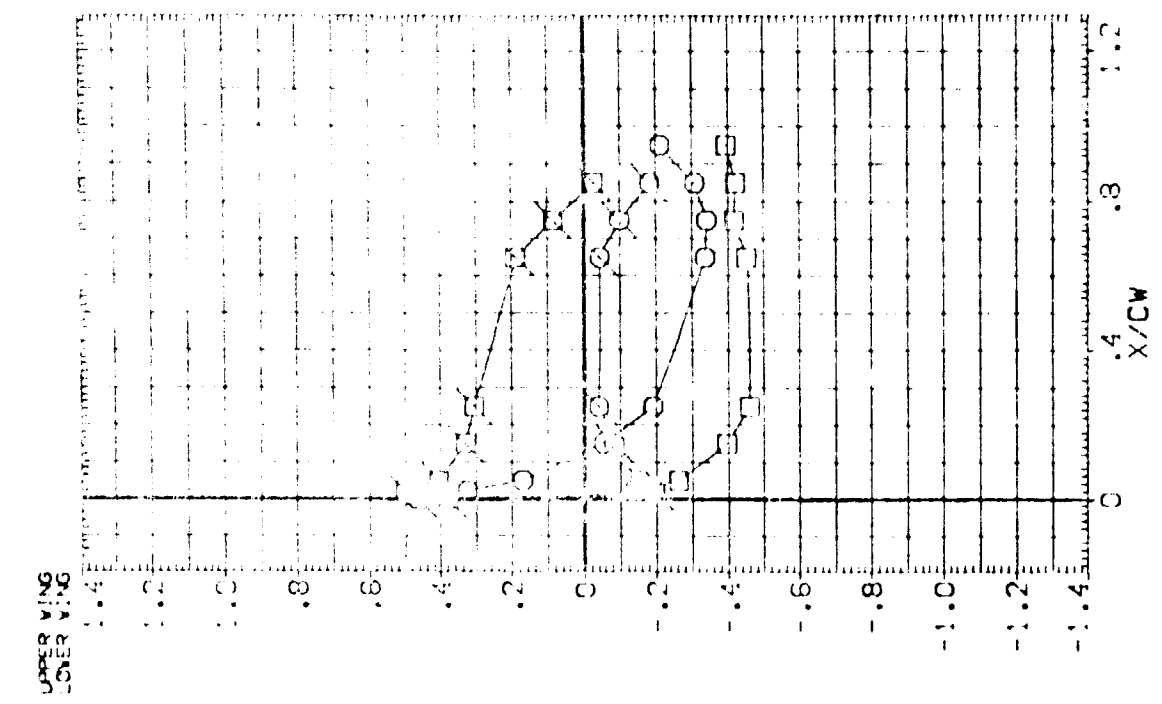
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RBAU:5) OPEN ARC97-7:6 OA22 O!  
 (RBAU:5) FLAGGED ARC97-7:6 OA22 O!



CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE RING PRESSURES

PARAMETRIC VALUES  
 MACH 1.550 ELEVON .000  
 RUDDER .000

SYMBOL ALPHA Y/BETA BETA  
 O -1.130 .673 5.040  
 I -0.090 .180

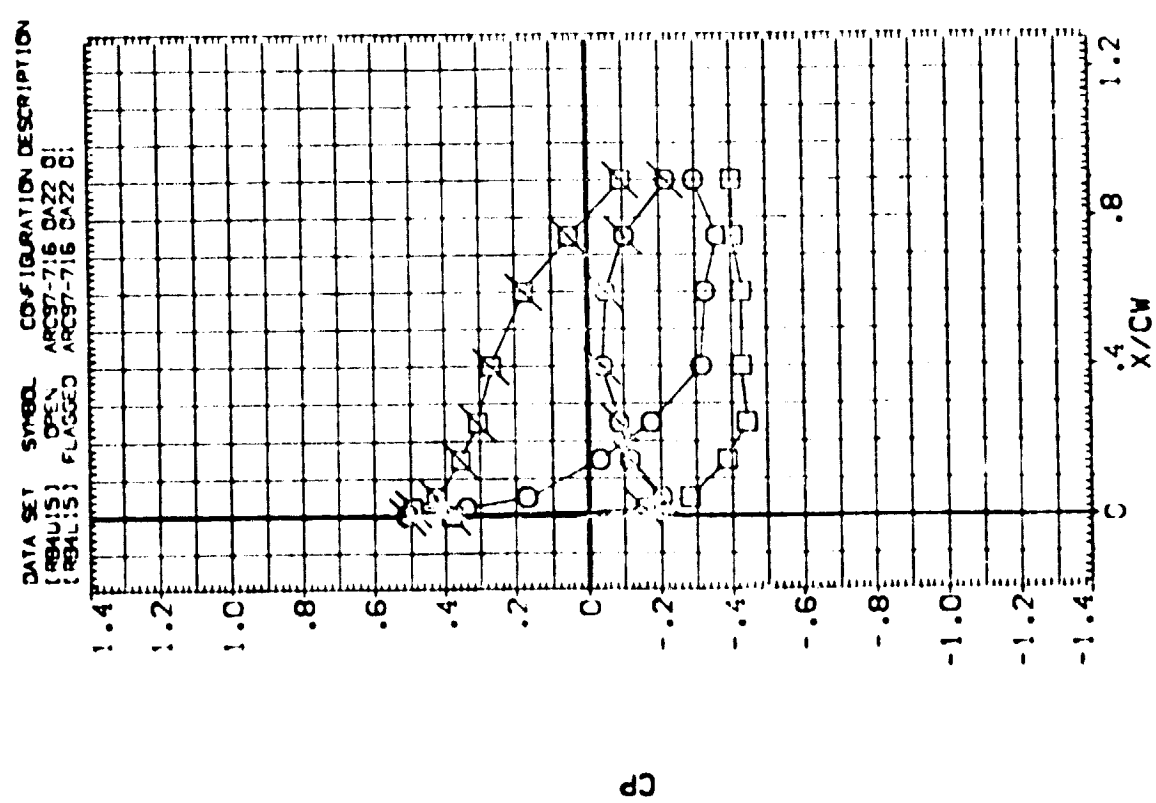


CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

PARAMETRIC VALUES  
 MACH 1.550  
 ELEVON .000  
 RUDDER .000

SYMBOL ALPHA V/BV BETA  
 O -1.30 .087 5.040  
 ( ) 10.050

UPPER WING  
 LOWER WING



CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES



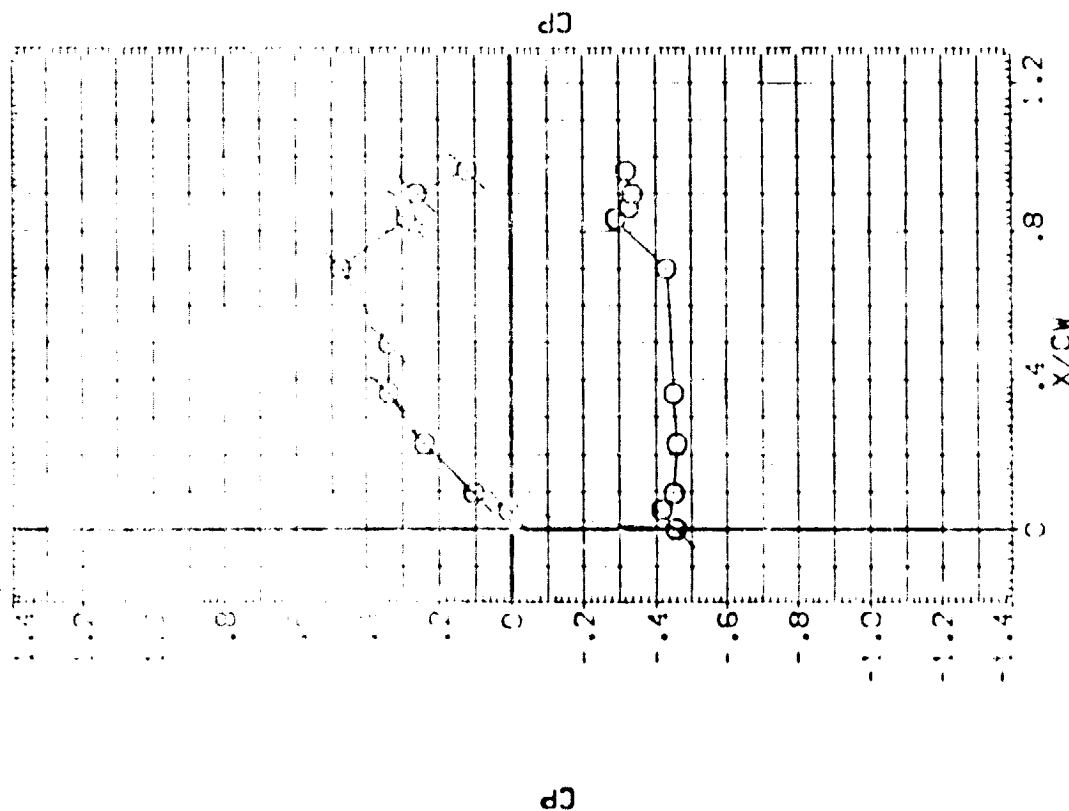
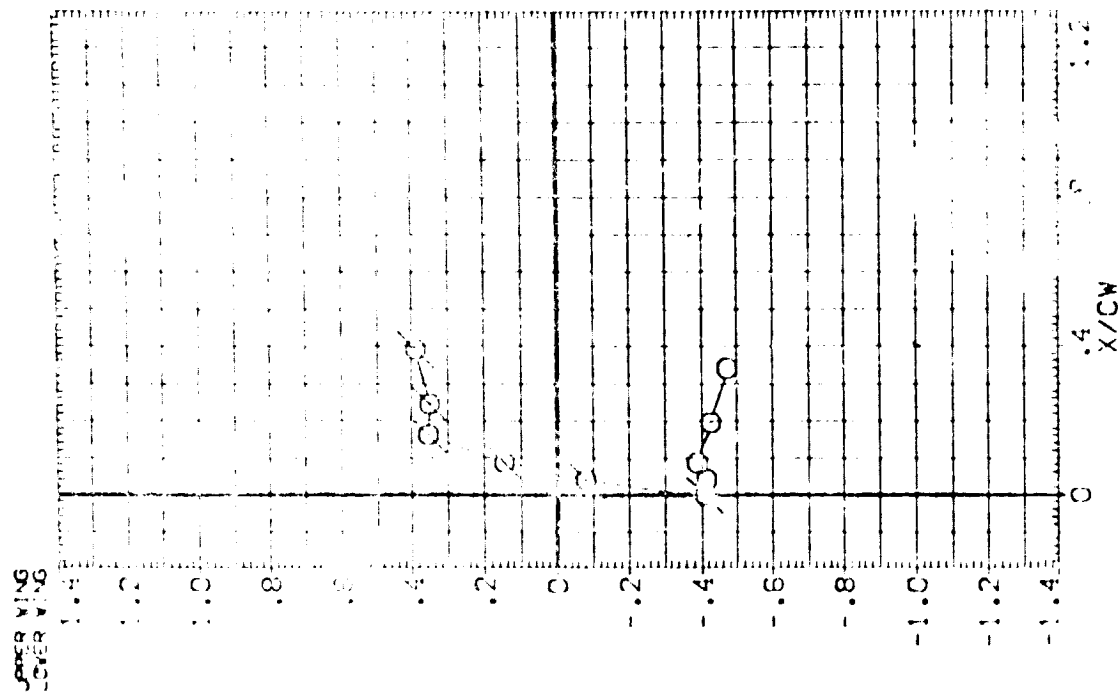
PARAMETRIC VALUES  
 MAC-1 1.550 ELEVON .000  
 RIDER .000 SPDBRM .000

MAC-1  
 RIDER

ALPHA 20.300  
 V/B 1.299  
 BETA 5.750  
 .364

SYMBOL  
 O

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (094-15) 0111 ARROW-118 0420 01  
 (094-15) 0112 ARROW-118 0420 01



CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

SYMBOL  
O

ALPHA  
20.376

Y/BV  
.477  
.534

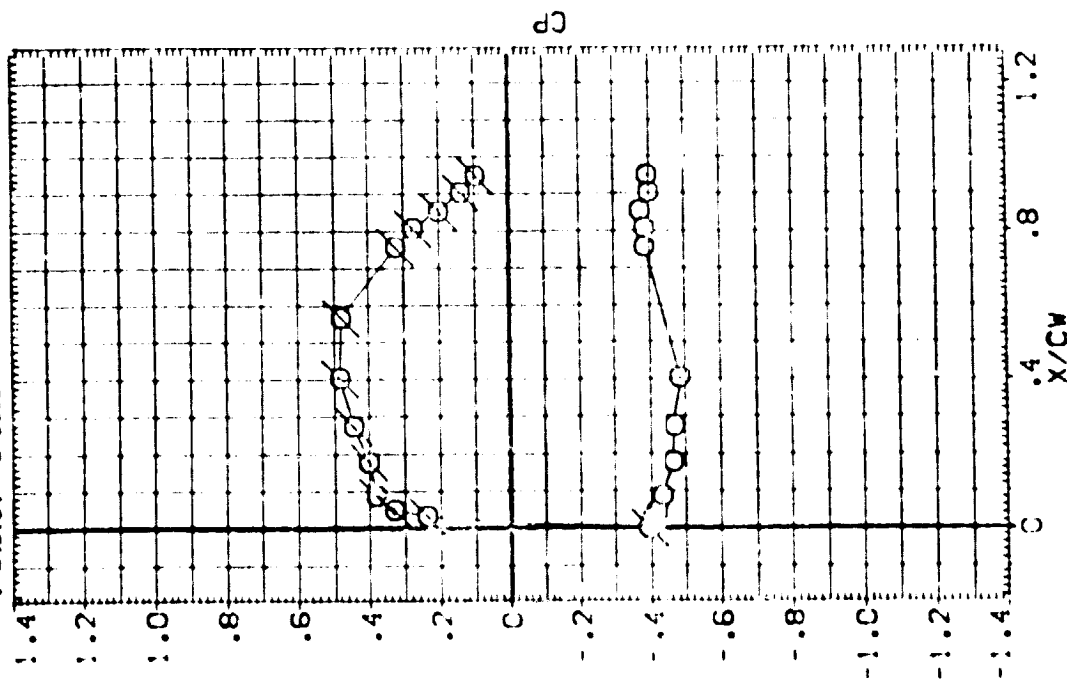
BETA  
5.250

MACH  
RUDDER

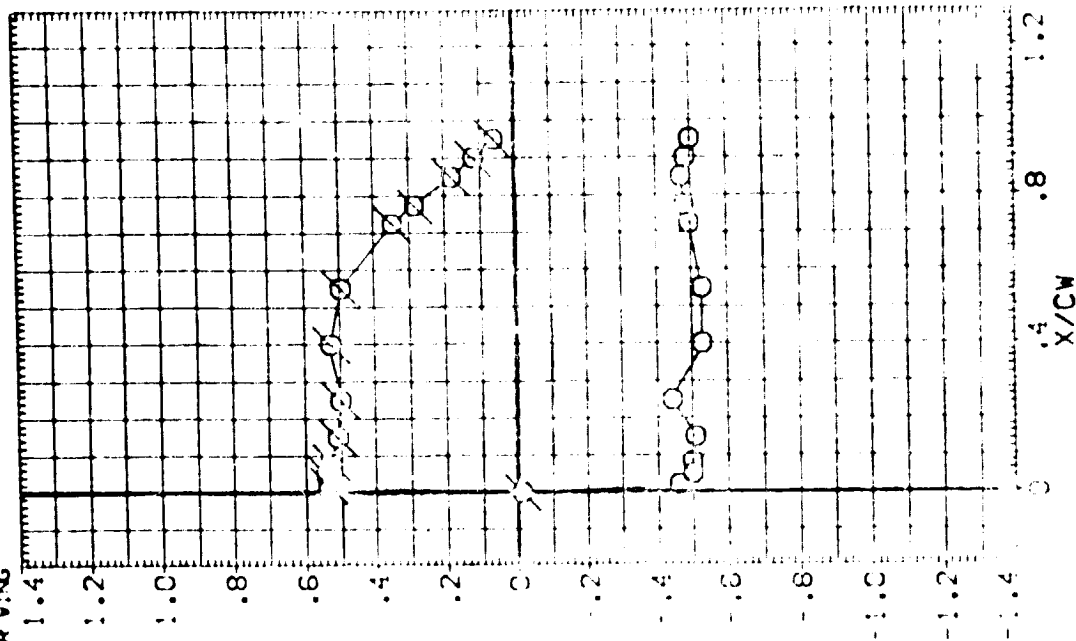
PARAMETRIC VALUES  
1.550  
.000

ELEVON  
SPDBRK  
.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RBAU15) OPEN ARC97-716 CA22 D1  
(RBAU15) FLAGGED ARC97-716 CA22 D1



UPPER WING  
LOWER WING



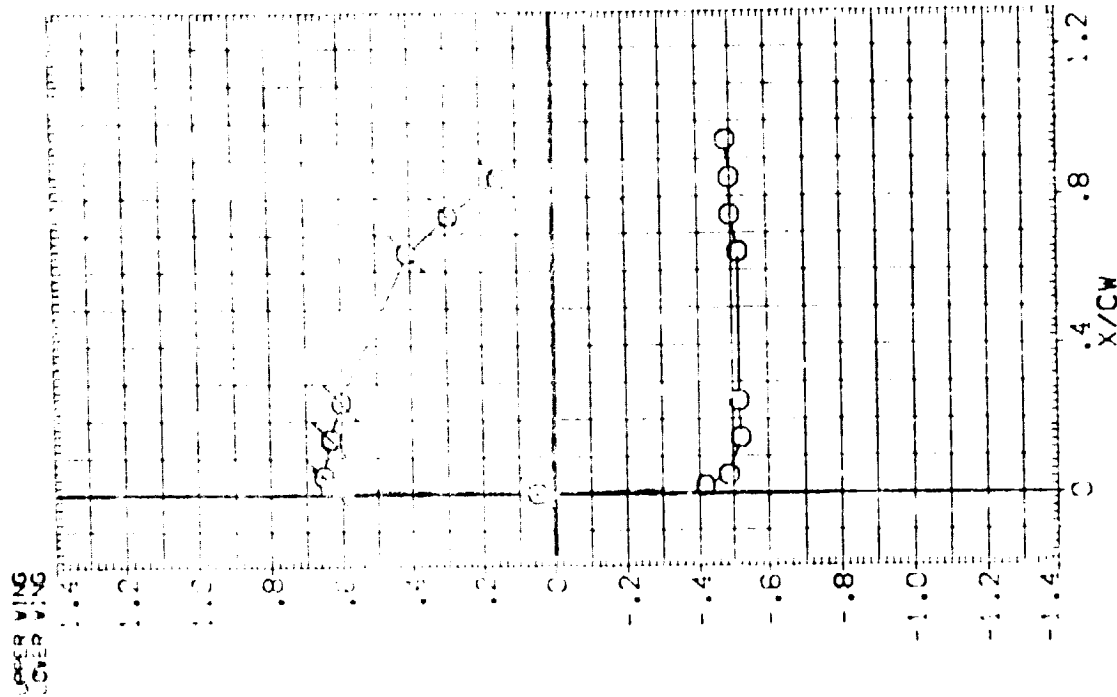
CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

SYMBOL ALPHA 20.370

1/31 1673 1.780

PARAMETRIC VALUES  
MACH 1.550 ELEVON .000  
RUDDER .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
[094015] DATA AIRCRAFT 18 CASE 01  
[094015] FLIGHT 18 CASE 01



0.0

0.0

CLOCKWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

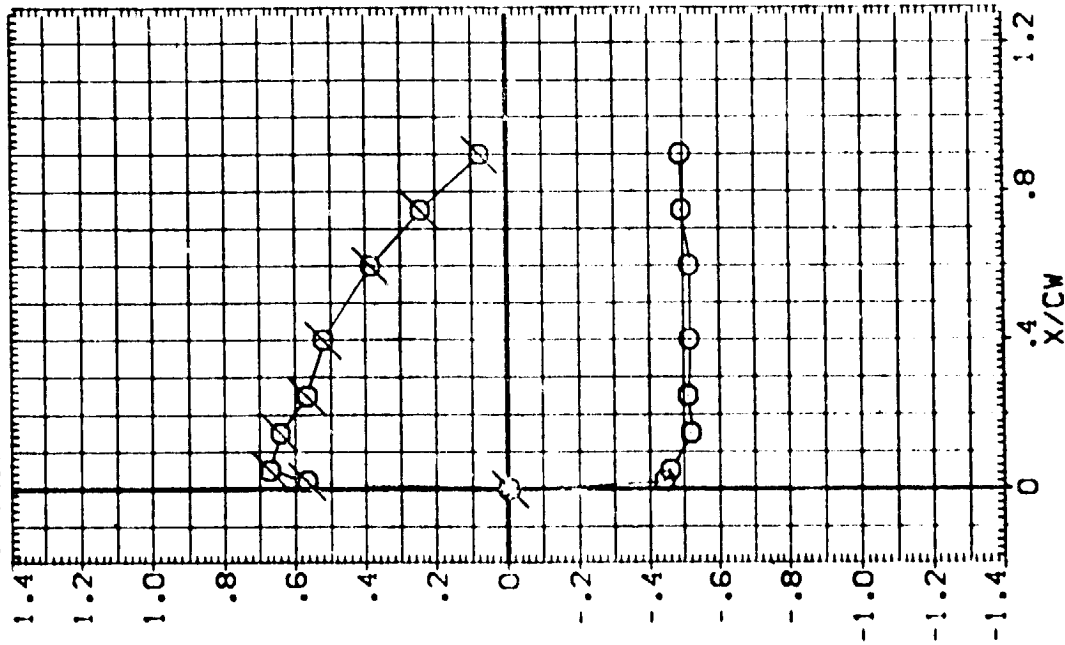
SYMBOL ALPHA 20.320

Y/BN .687 BETA 5.250

MACH .000  
RUDDER .000  
PARAMETRIC VALUES  
ELEVON .000  
SPOBRK .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RBAU15) OPEN ARC57-716 OAZ2 01  
(RBAU15) FLAGGED ARC57-716 OAZ2 01

UPPER WING  
LOWER WING

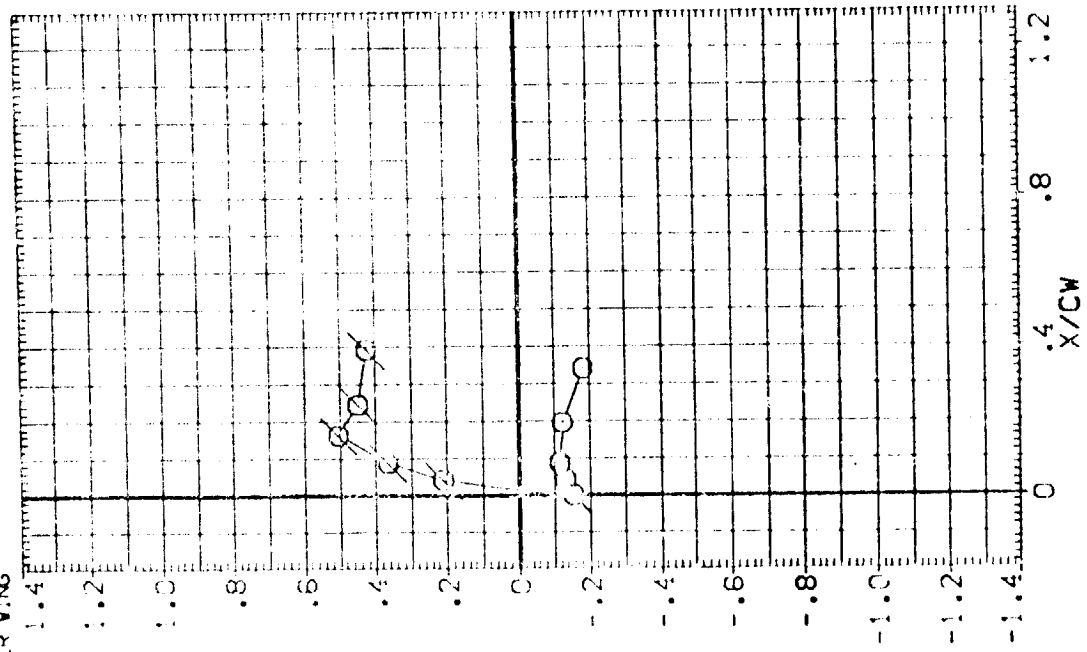


CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

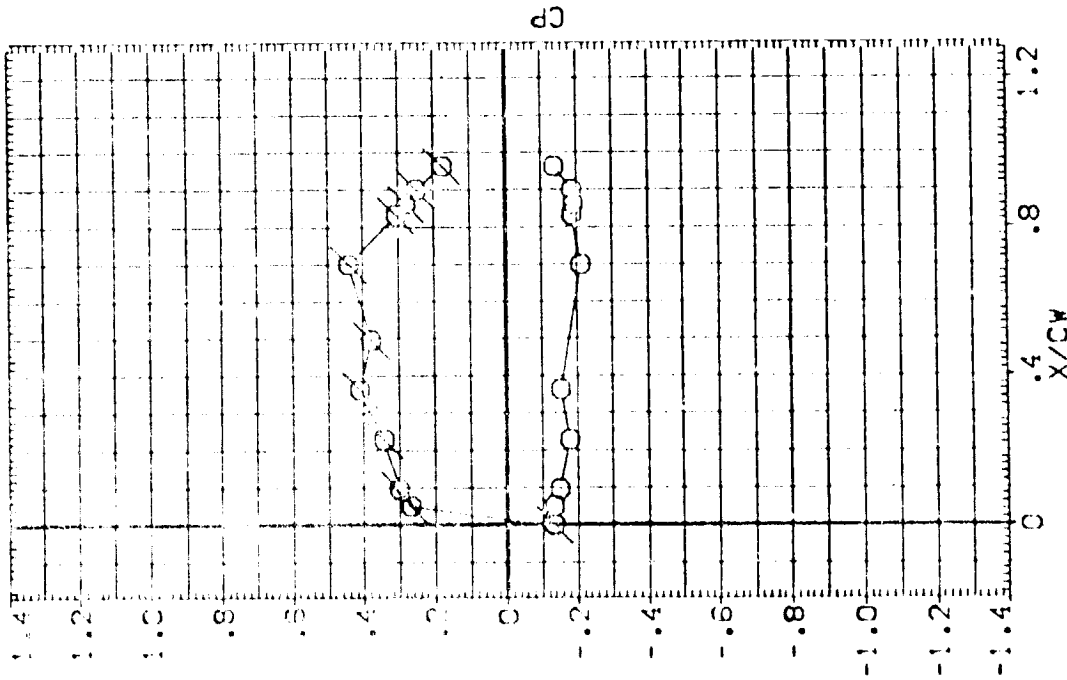
PARAMETRIC VALUES  
 2.200 ELEVON .000  
 .000 SPOILER .000

MACH  
 RUDDER

UPPER WING  
 LOWER WING



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 RB4116 OPEN ARCS7-216 CA22 C1  
 RB4116 FLASSED ARCS7-216 CA22 C1



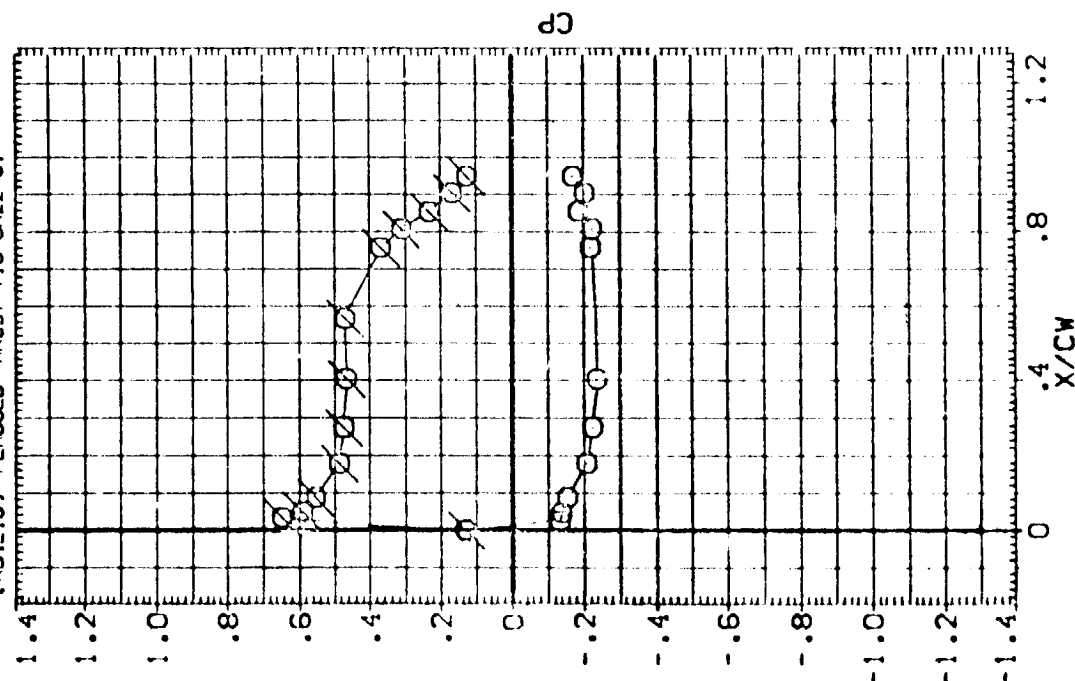
CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

PARAMETRIC VALUES  
 2.200 ELEVON  
 .000 SPOBRK

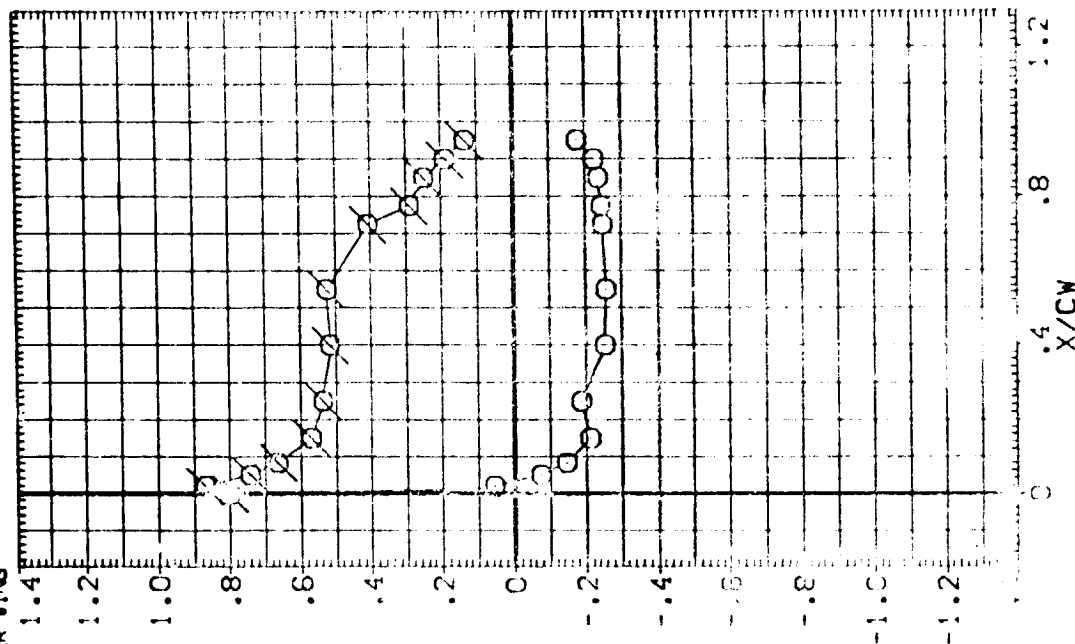
MACH  
 RUDDER

SYMBOL ALPHA Y/BV BETA  
 O 20.390 .427 -6.170  
 .534

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RBAU16) OPEN ARC97-716 DA22 O!  
 (RBAU16) FLAGGED ARC97-716 DA22 O!



UPPER WING  
 LOWER WING



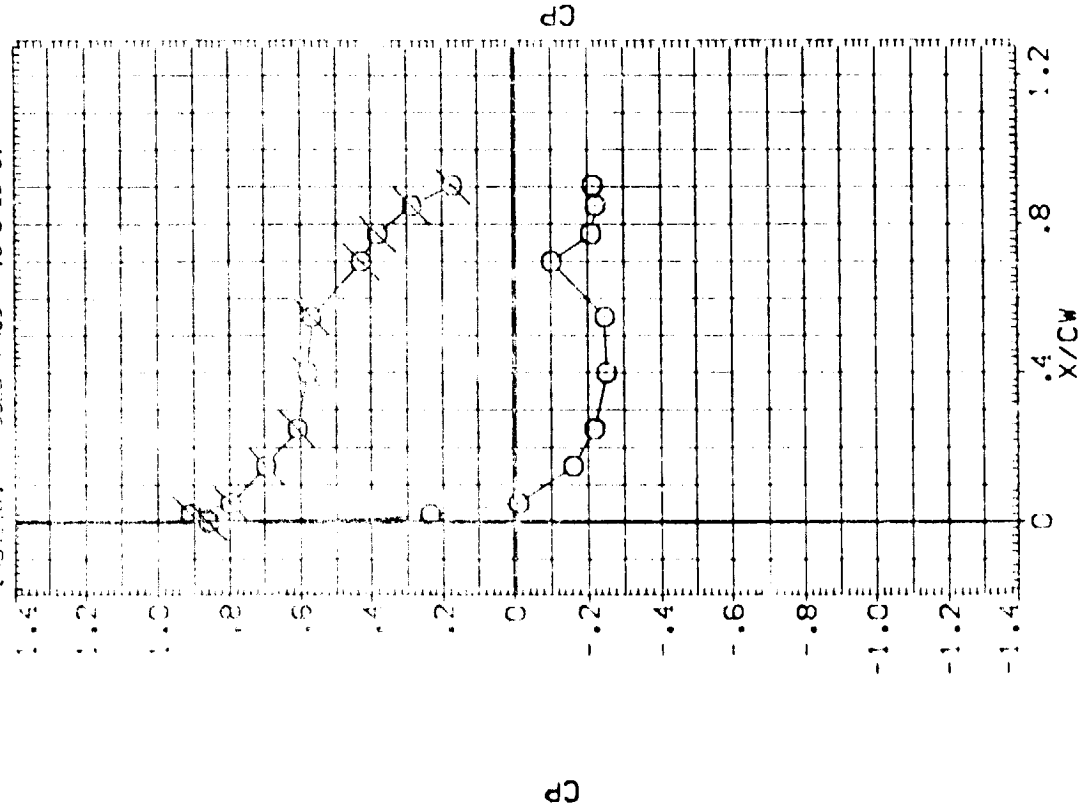
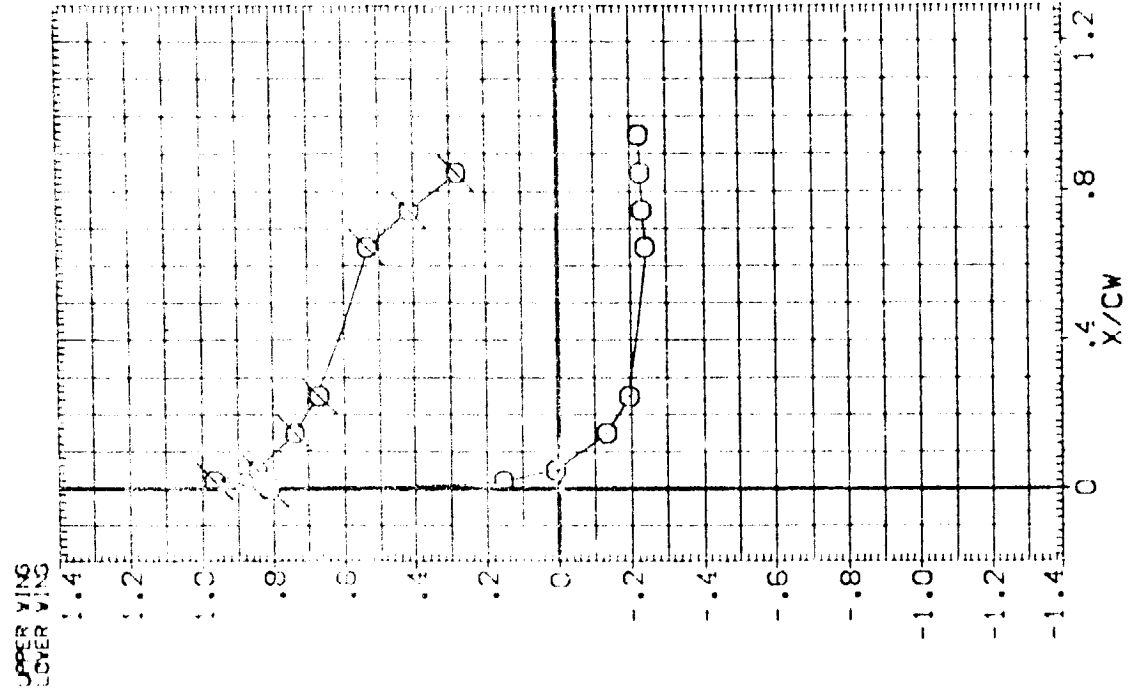
CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

PARAMETRIC VALUES  
 2.200 ELEVON .000  
 .000 SPOILER

MACH  
 RUDDER

SYMBOL ALPHA Y/BV BETA  
 ○ 20.390 .573 -6.170  
 .780

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (P0413) 20XV ARC97-716 CA22 C1  
 (P0413) 20XV ARC97-716 CA22 C1



CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

SYMBOL ALPHA 20.350

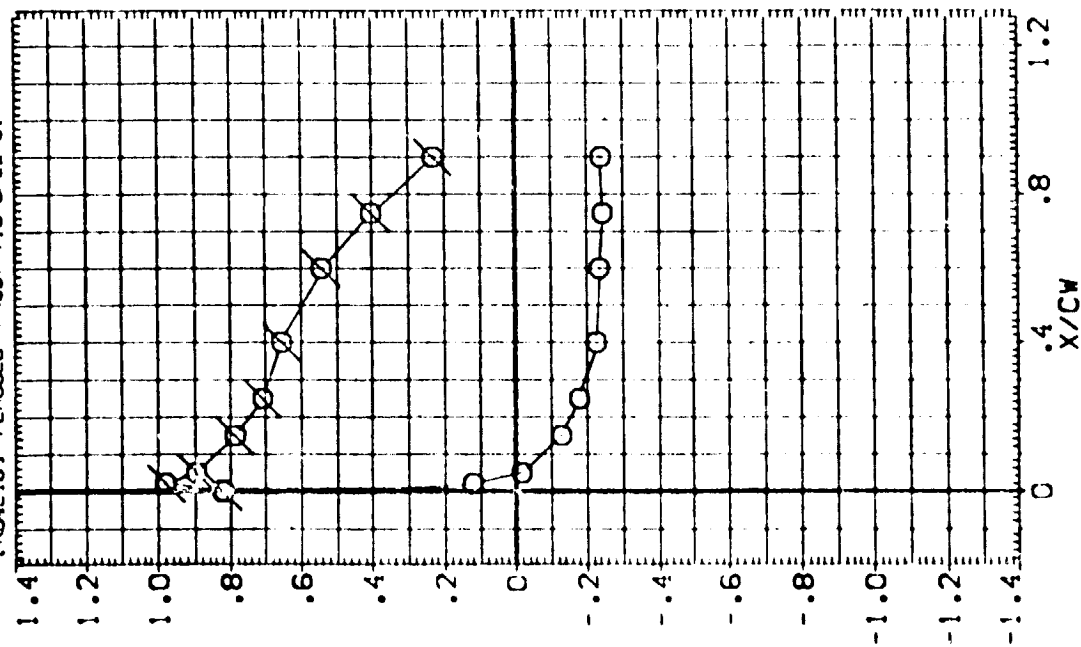
Y/BV .887

BETA -6.170

PARAMETRIC VALUES  
MACH 2.200  
ELEVON .000  
RUDDER .000  
SPOILER .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RBAU16) OPEN ARC97-716 CA22 0!  
(RBAU16) FLAGGED ARC97-716 CA22 0!

UPPER VING  
LOWER VING



CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE STATIC PRESSURES

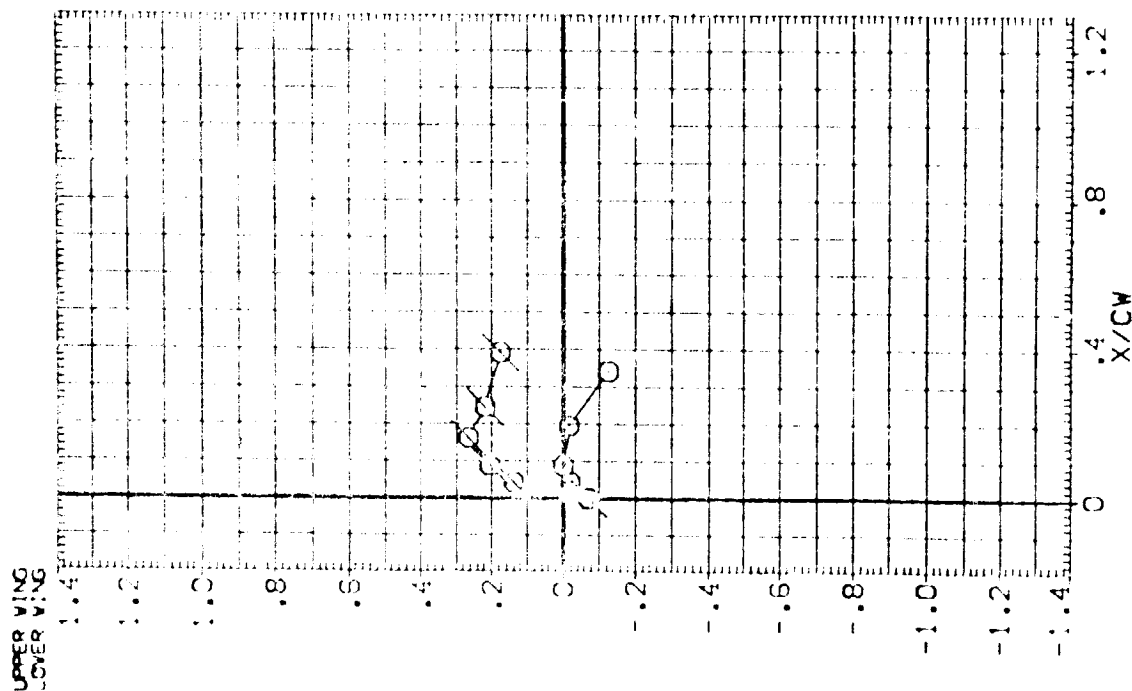
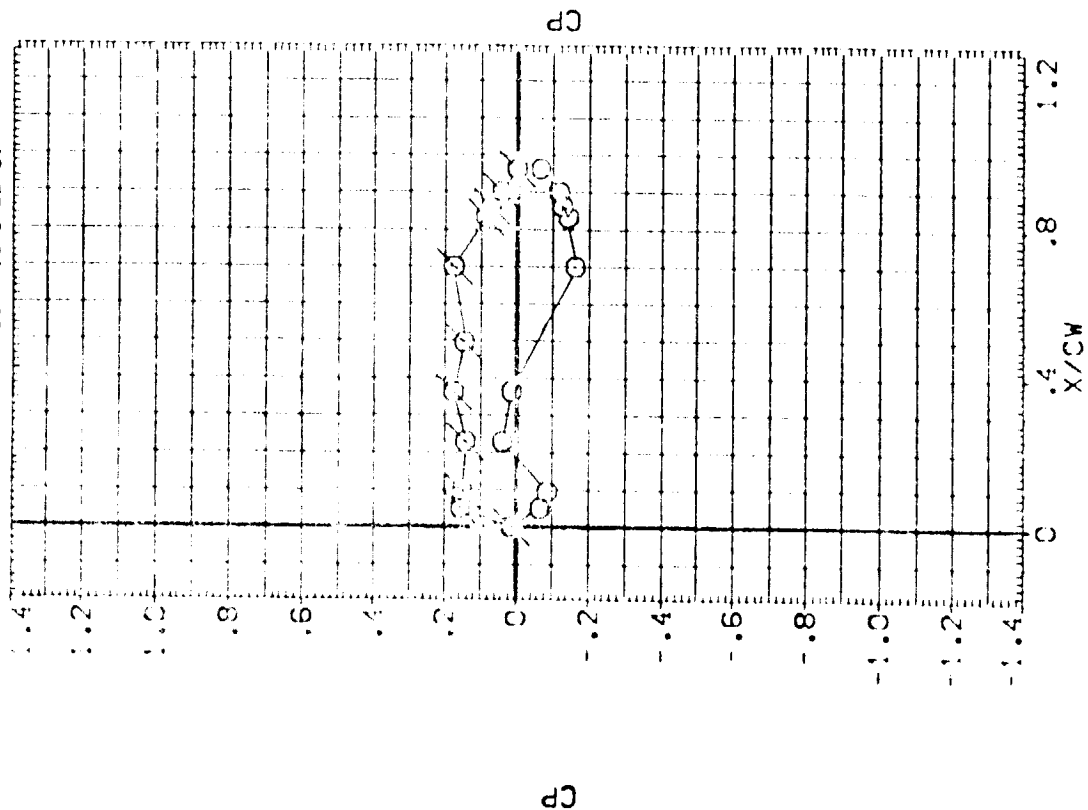


SYMBOL ALPHA 10.120

Y/3V .299  
BETA -5.810  
.364

MACH 2.200  
RUDDER .000  
PARAMETRIC VALUES  
ELEVON .000  
SPOILER .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
[R34] [B] OPEN ARC97-716 CA22 01  
[R34] [B] FLAGGED ARC97-716 CA22 01



CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

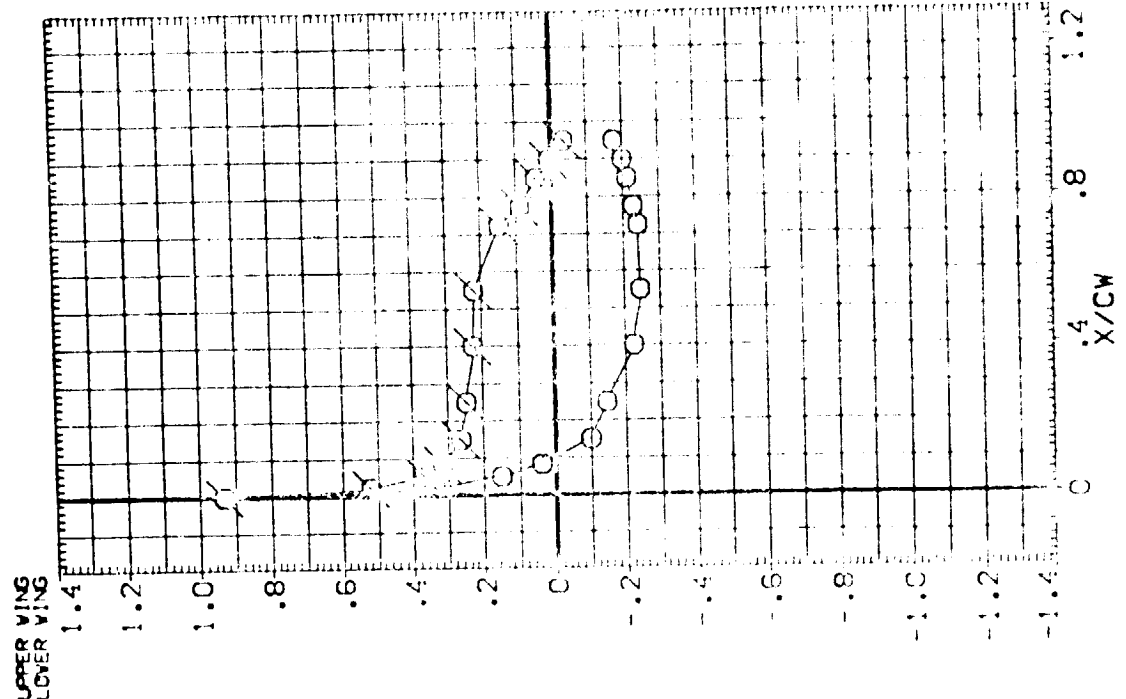
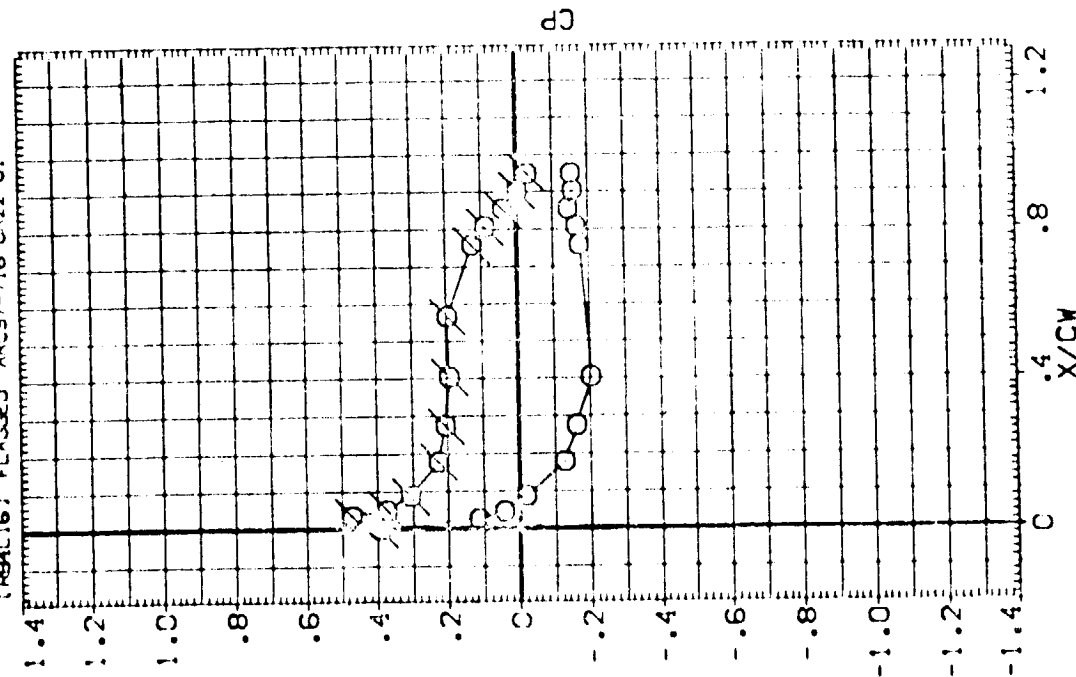
SYMBOL ALPHA 10.120

V/BW .427  
.534

BETA -5.810

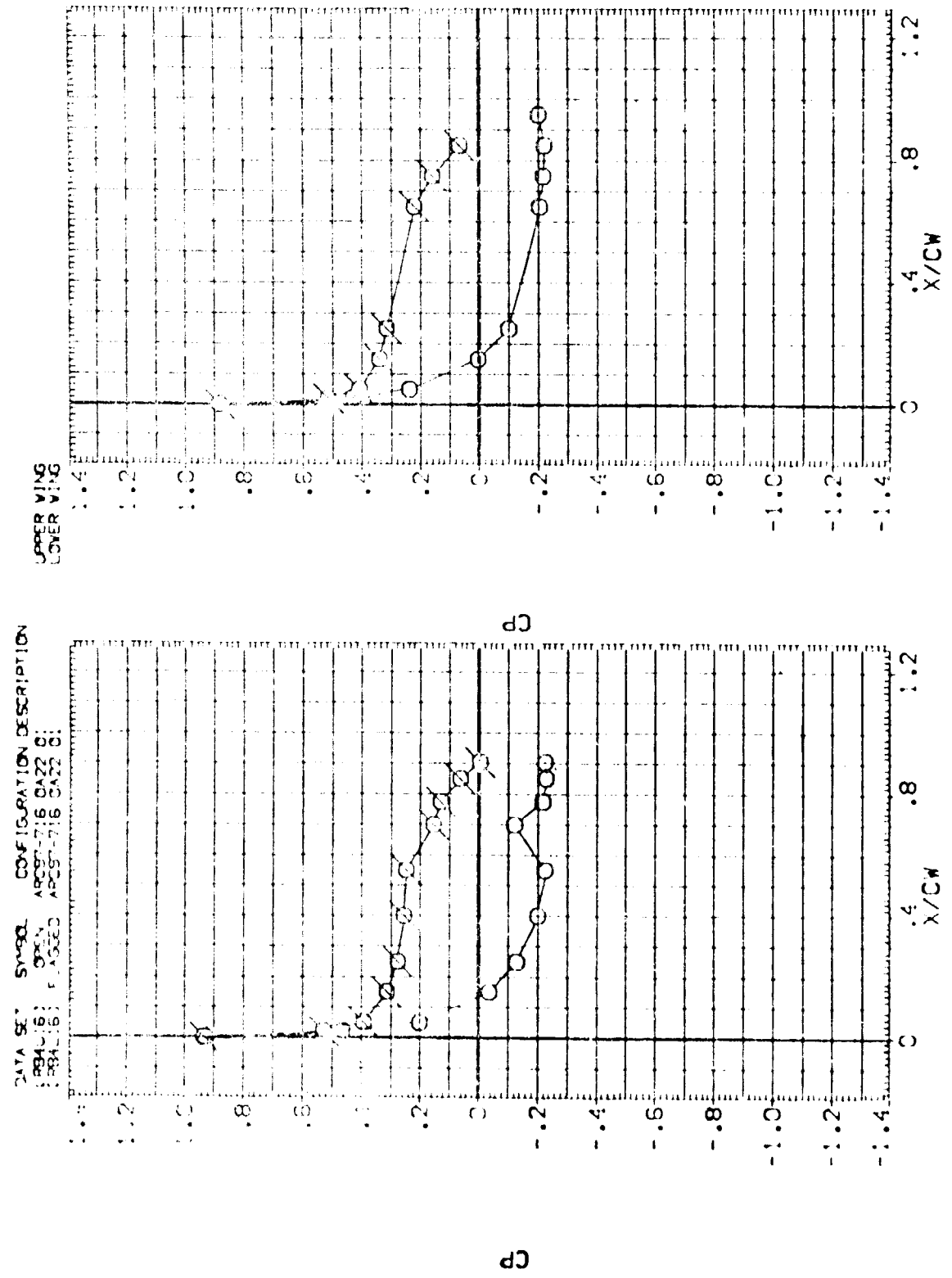
MACH .000  
RUDDER .000  
PARAMETRIC VALUES  
2.200 ELEVON .000  
SPDBRK .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
{RBAU16} OPEN ARC97-716 CA22 0:  
{RBAU16} FLAGGED ARC97-716 CA22 0:



CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

SYMBOL	ALPHA	Y/BY	BETA	MACH	PARAMETRIC VALUES
○	10.120	.673	-5.810	RUDDER	2.200
		.780			ELEVON
					SPOILER
					.000
					.000

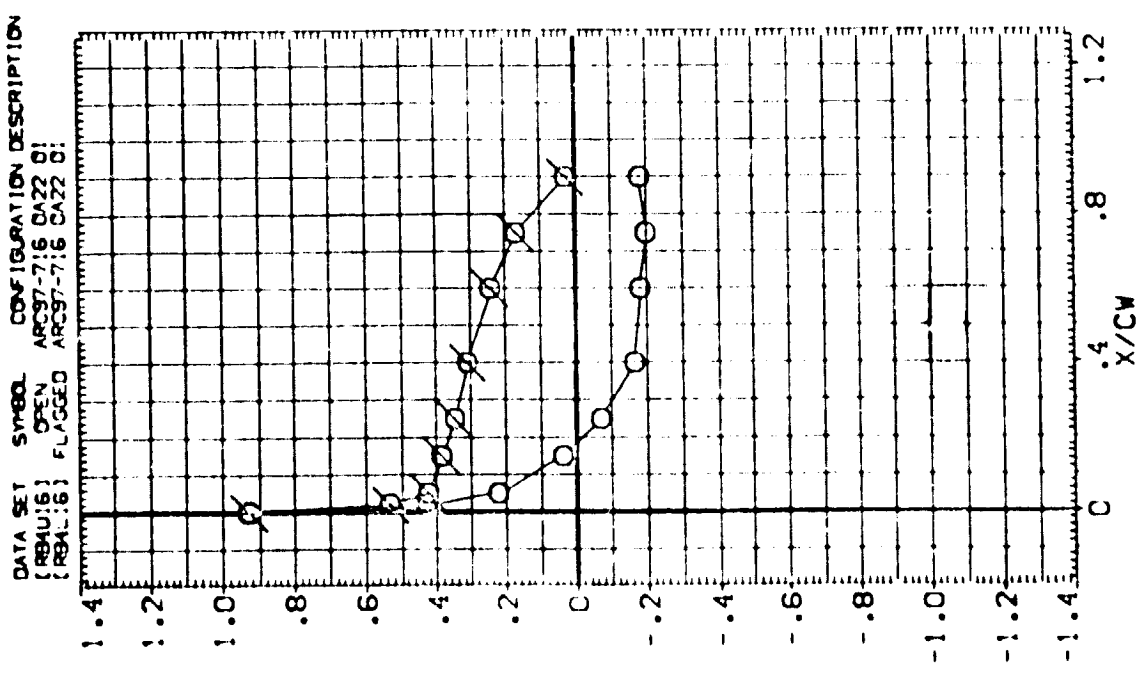


CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

MACH 2.200  
 RUDDER .000  
 PARAMETRIC VALUES  
 ELEVON .000  
 SPOILER .000

SYMBOL ALPHA 10.120  
 Y/BV .887  
 BETA -5.810

UPPER VING  
 LOWER VING

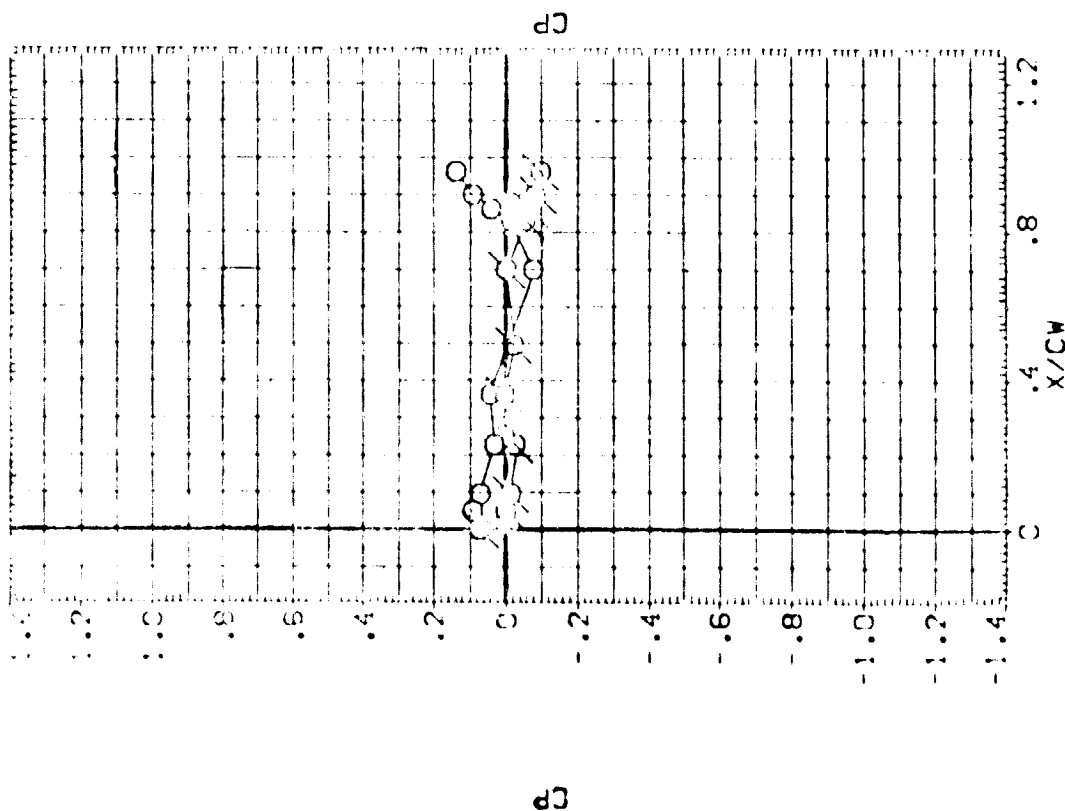
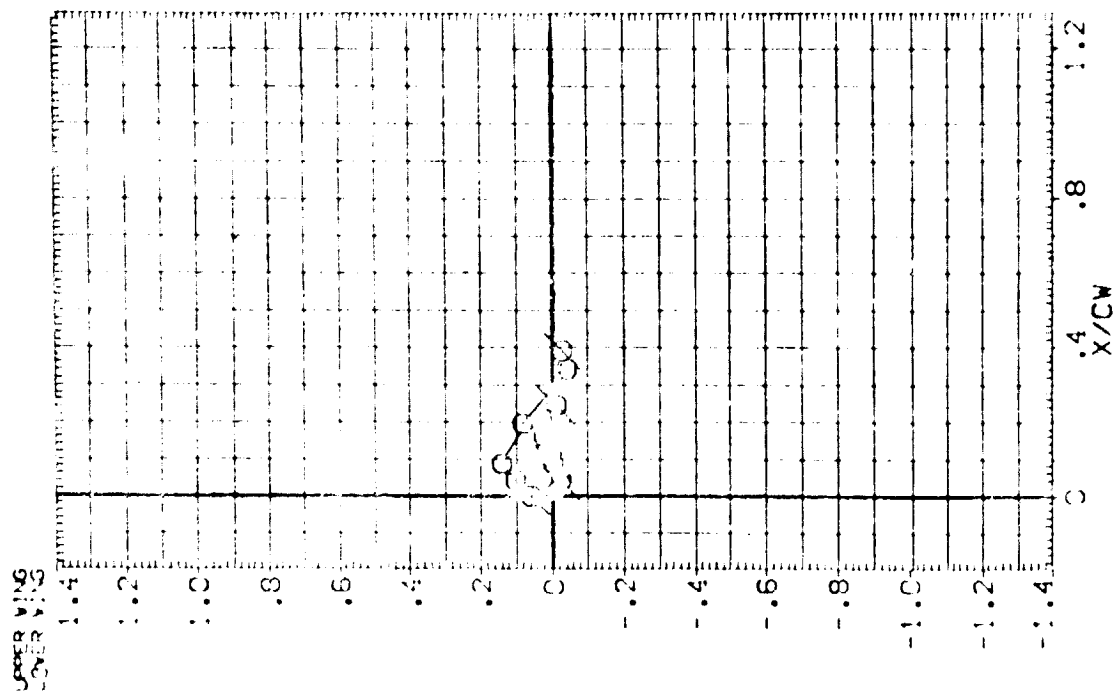


CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

PARAMETRIC VALUES  
 MACH 2.200 ELEVON .000  
 RUDDER .000 SPDBRK .000

SYMBOL ALPHA V/SN BETA  
 C -1.20 .795 .380  
 .364

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (004) (6) OPEN AIRCRAFT CASE 01  
 (005) (6) FLAPPED AIRCRAFT CASE 02



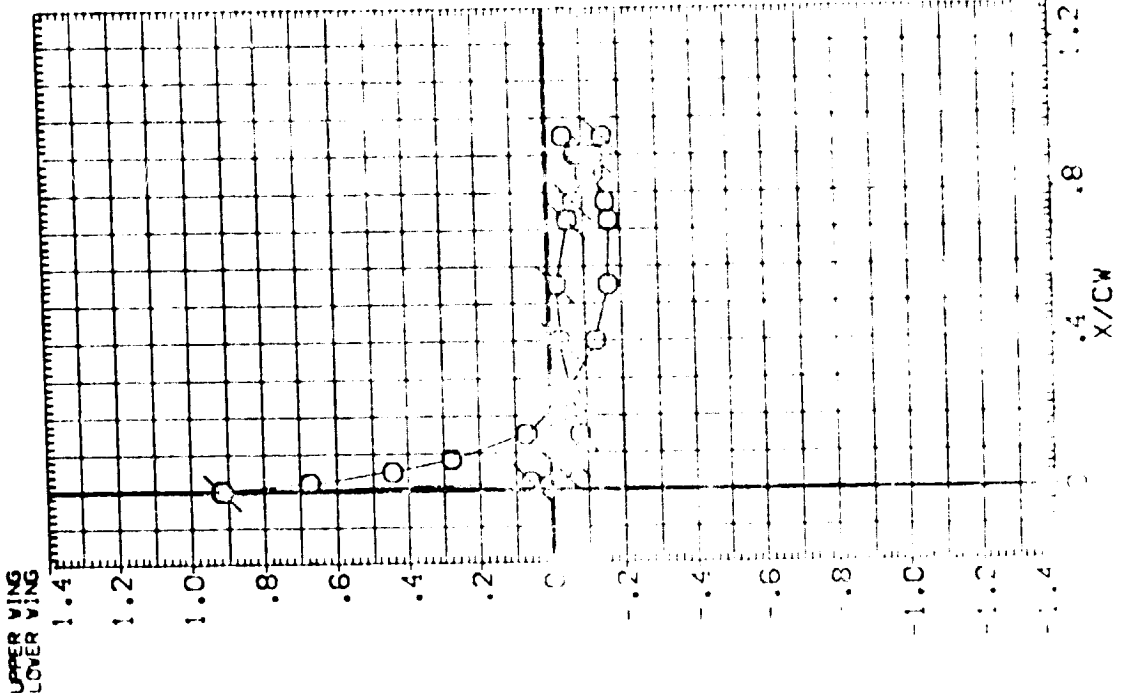
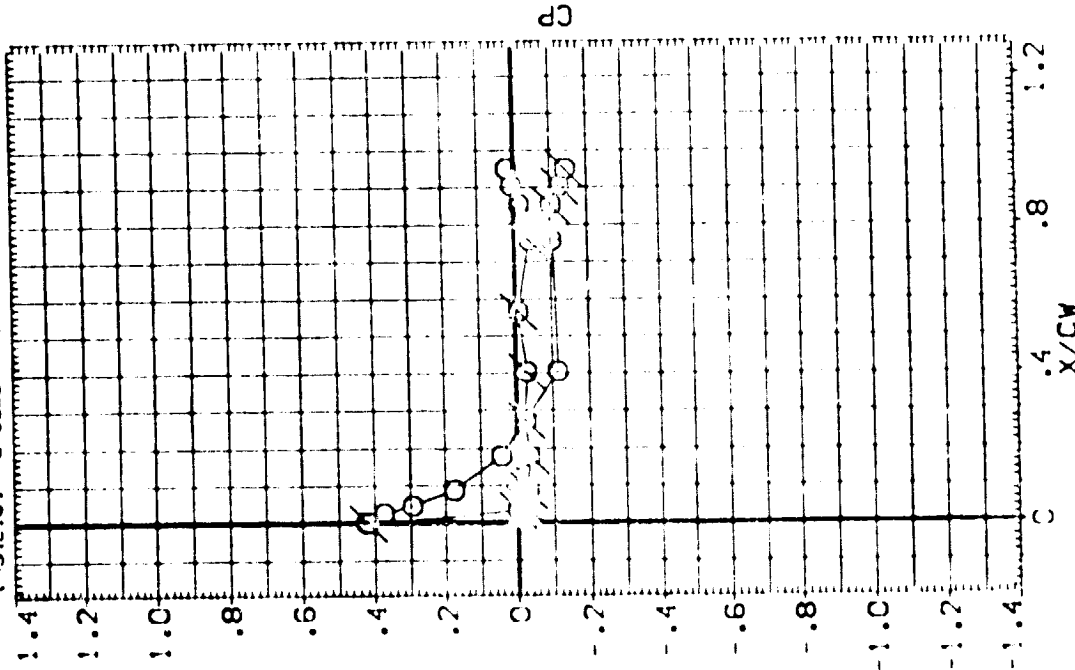
CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

SYMBOL ALPHA

Y/BV .427  
BETA -4.980  
.534

MACH .000  
RUDDER .000  
PARAMETRIC VALUES  
2.200 ELEVON  
.000 SPEEDBRK .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RBAU16) OPEN ARC97-7:6 CA22 0!  
(RBAU16) FLAGGED ARC97-7:6 CA22 0:

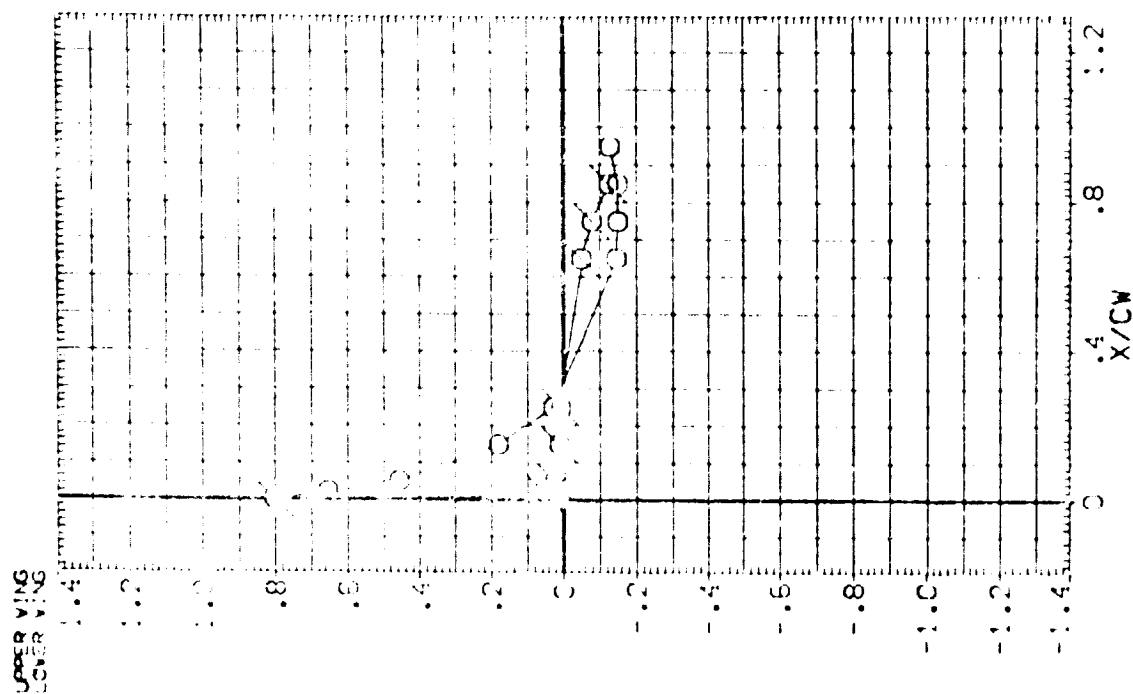
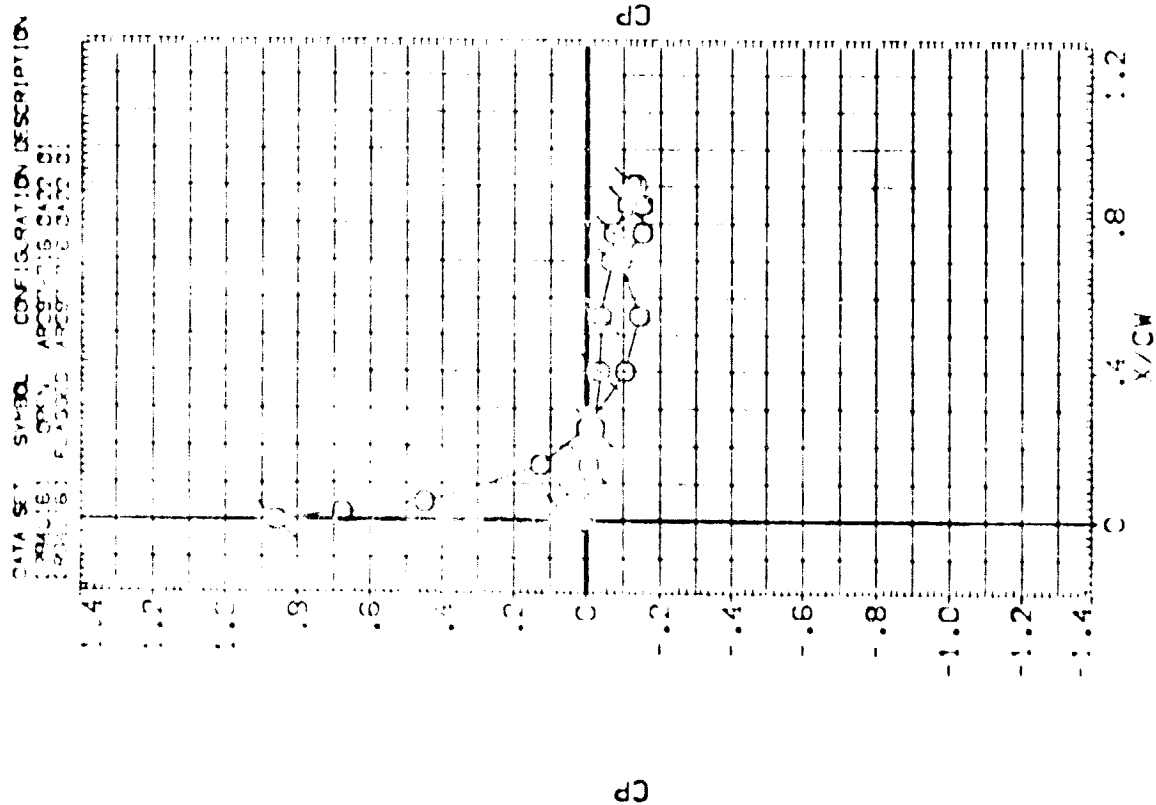


CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE STATIC PRESSURES

Speed 1.20  
Time 1.20

Y/34  
-673  
-8C

PARAMETRIC VALUES		
MACH	2.200	ELEVATION .000
RDOOR	.000	SPEED .000



# CHRONWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

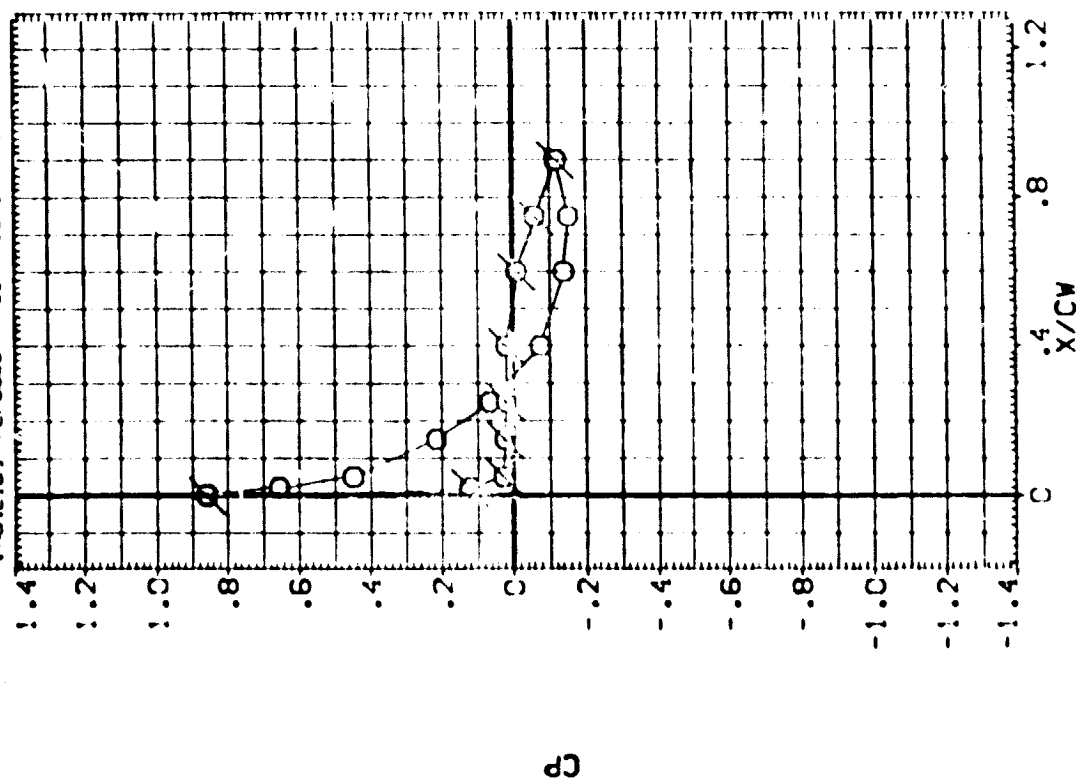
PARAMETRIC VALUES  
2.700 ELEVON  
.000 SPOBRK  
.000

MACH  
RUDDER

UPPER VING  
LOWER VING

SYMBOL ALPHA V/BN BETA  
O -1.120 .007 -4.980

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RB4U16) OPEN ARC97-716 DA22 01  
(RB4U16) FLAGGED ARC97-716 DA22 01



CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE STATIC PRESSURES



5-120  
C  
S-100 A-100

1/24 567 364  
BETA -4.300

1936

PARAMETRIC VALUES	
2.200	ELEVON
.000	SPDRBY
.000	
.000	

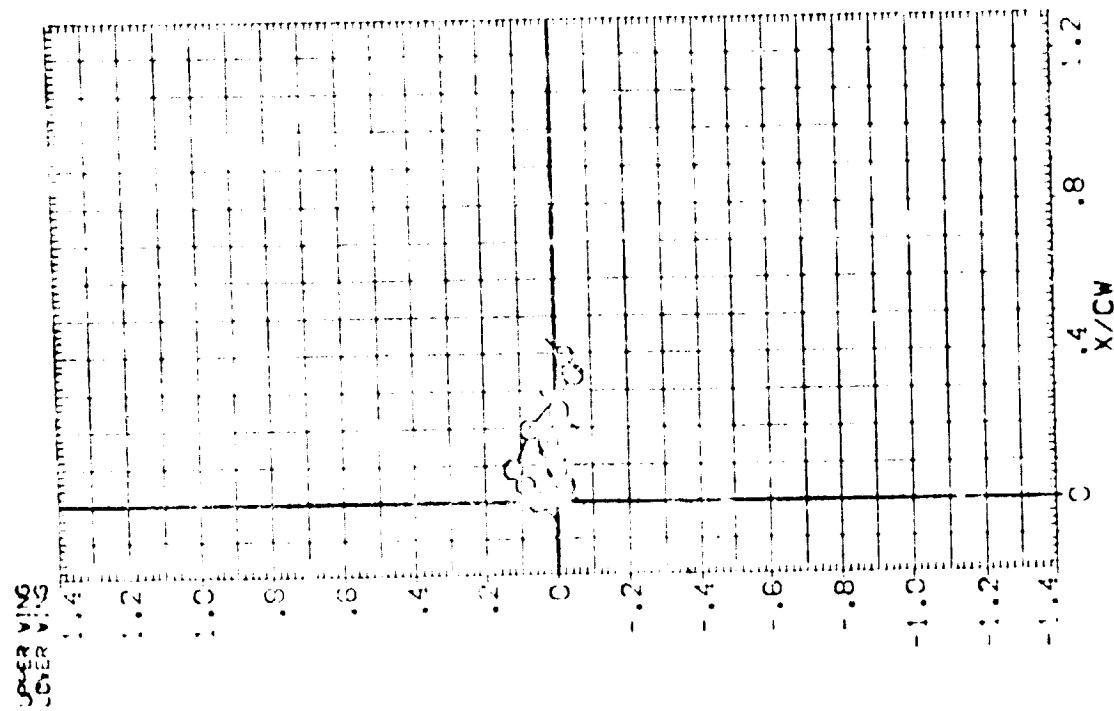
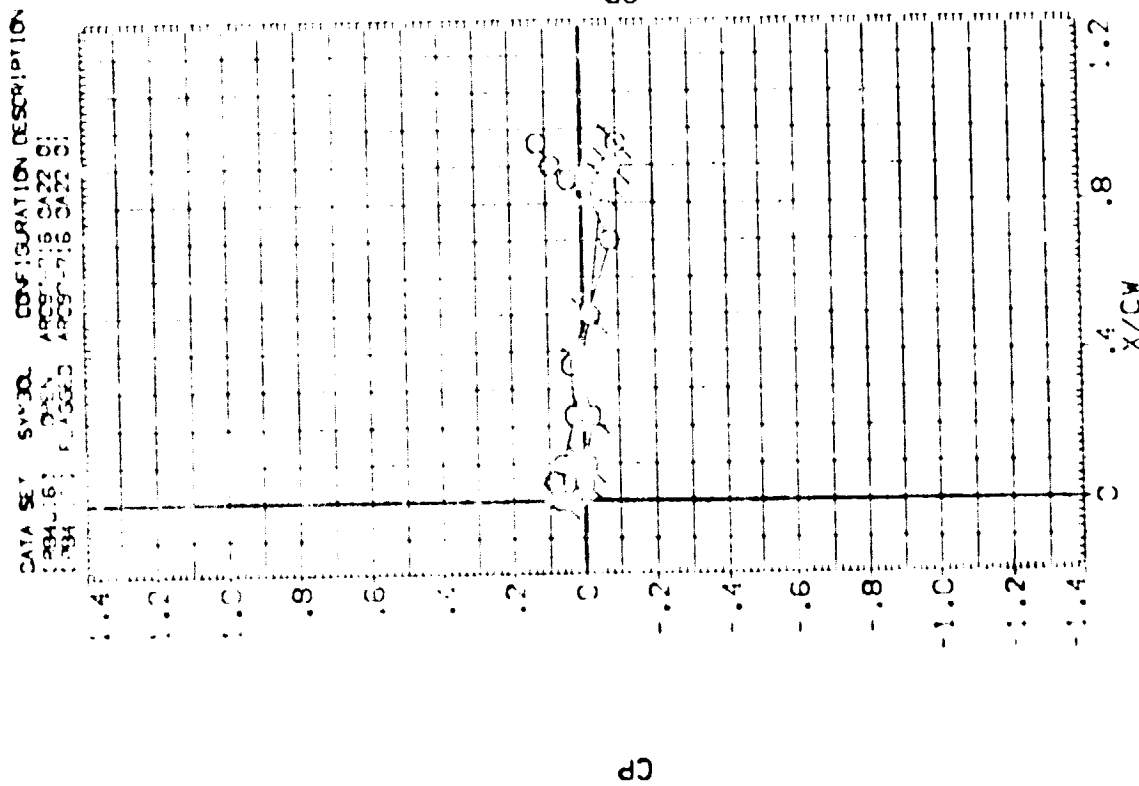
HACH  
FLODER

2,200,000

NOV 3 1973

88

88



# CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

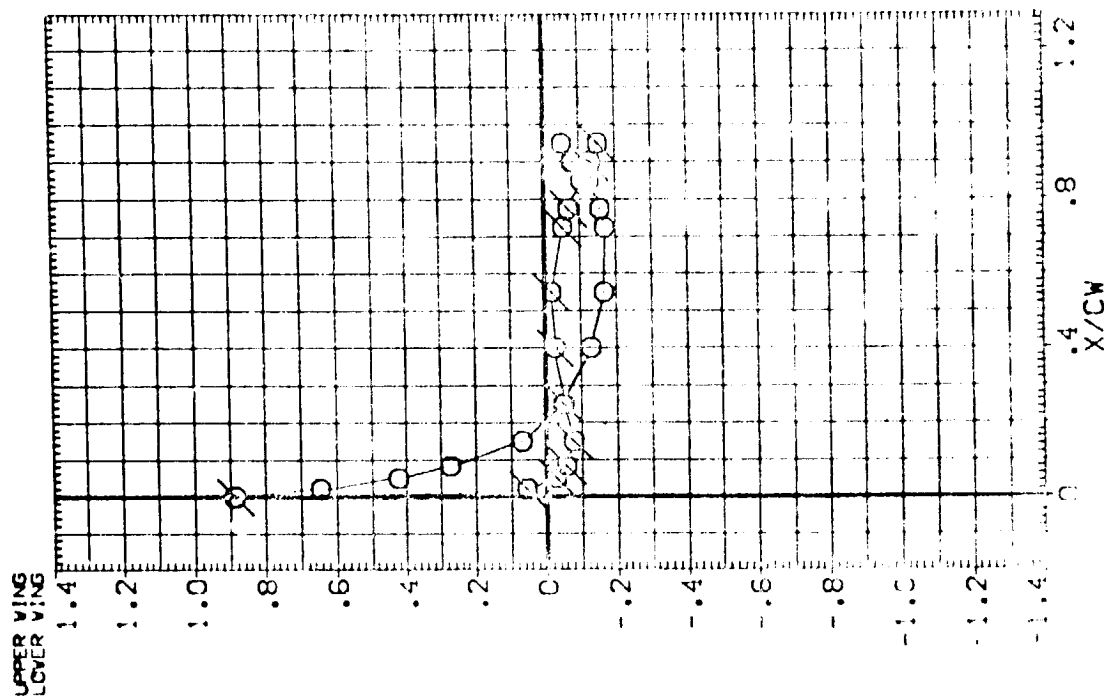
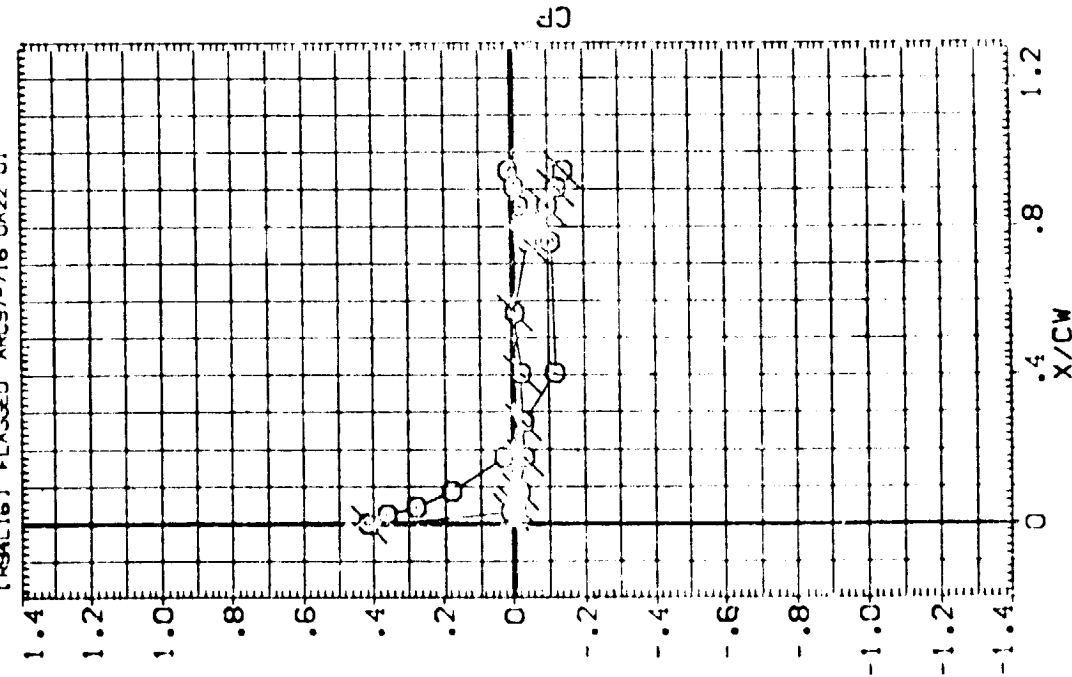
SYMBOL ALPHA

Y/BN .127  
BETA -4.300  
.534

MACH  
RUDDER

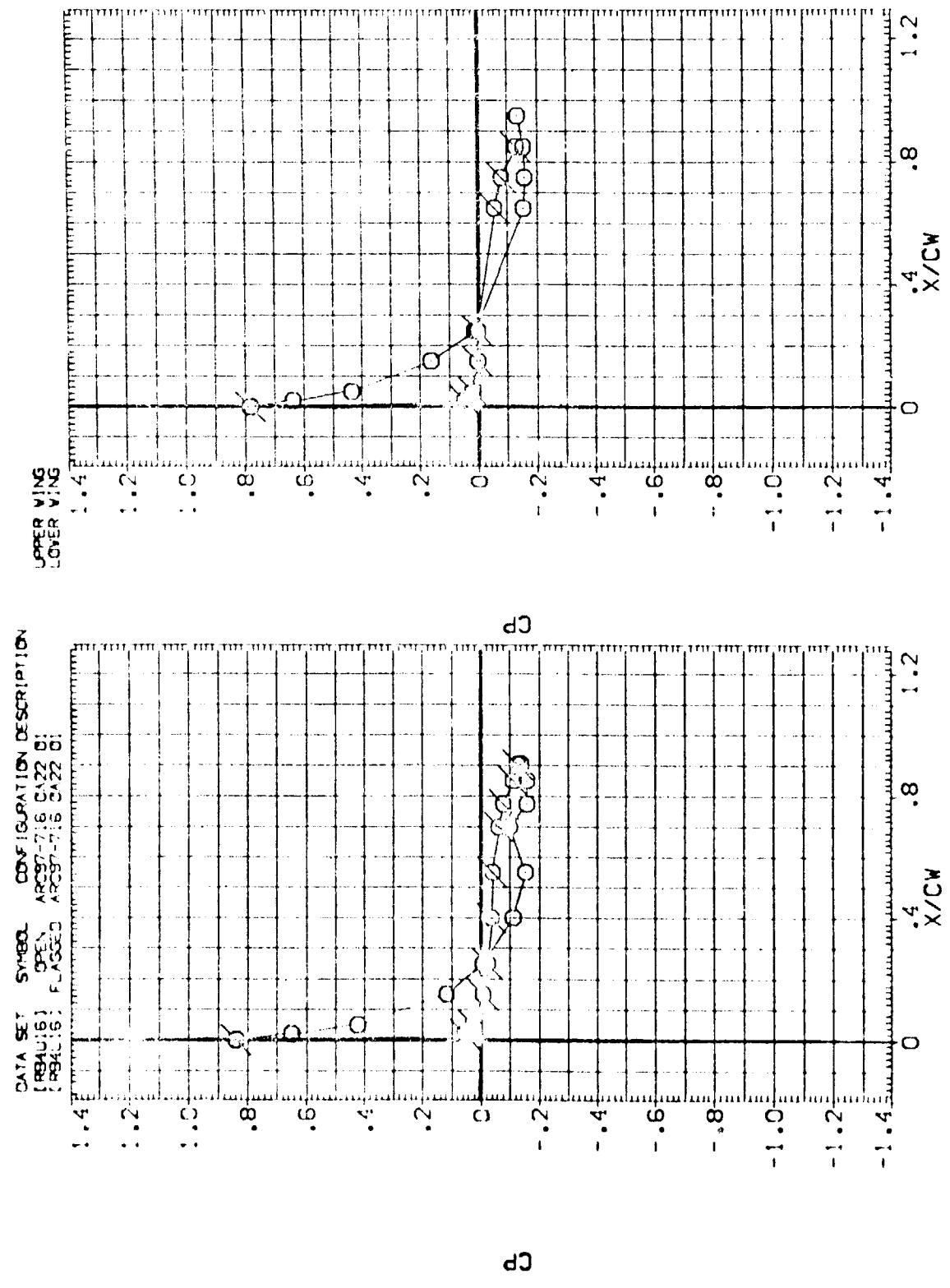
PARAMETRIC VALUES  
2.200 ELEVON  
.000 SPOILER  
.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
[RBAU[6] OPEN ARC97-716 CA22 0]  
[RBAU[6] FLAGGED ARC97-716 CA22 0]



CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

SYMBOL	ALPHA	Y/BV	BETA	MACH	PARAMETRIC VALUES
○	-0.120	.673	-4.300	RUDDER	2.200 ELEVON .000
		.780			.000 SPOILER .000



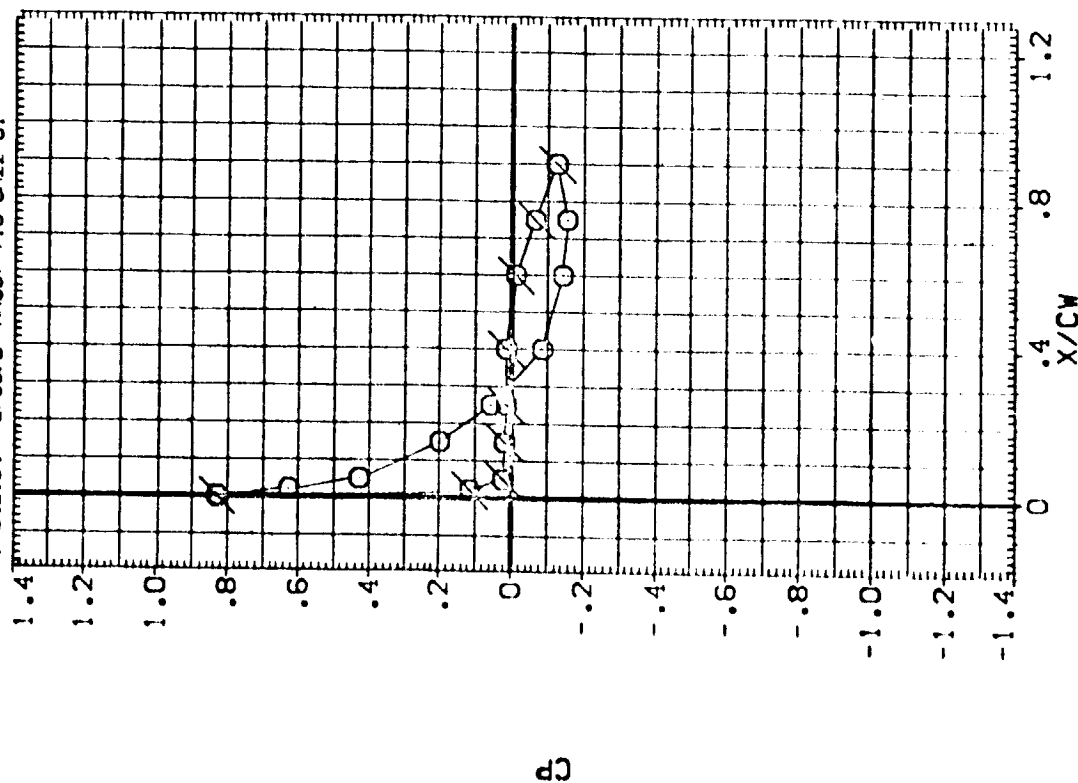
CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

SYMBOL ALPHA Y/BV BETA  
 O -.120 .887 -4.300

MACH .000  
 RUDDER .000  
 PARAMETRIC VALUES  
 2.200 ELEVON  
 .000 SPOBRK  
 .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (R84U16) OPEN ARC97-716 QAZZ 01  
 (R84L16) FLAGG'D ARC97-716 QAZZ 01

UPPER WING  
 LOWER WING



CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

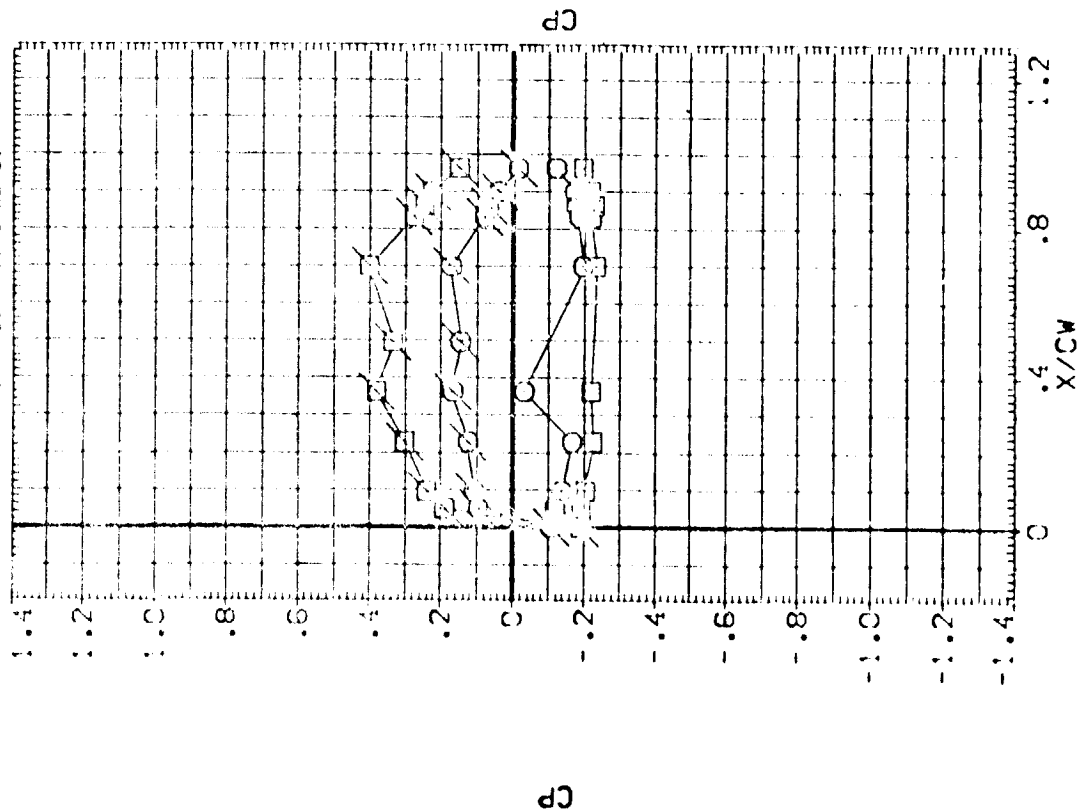
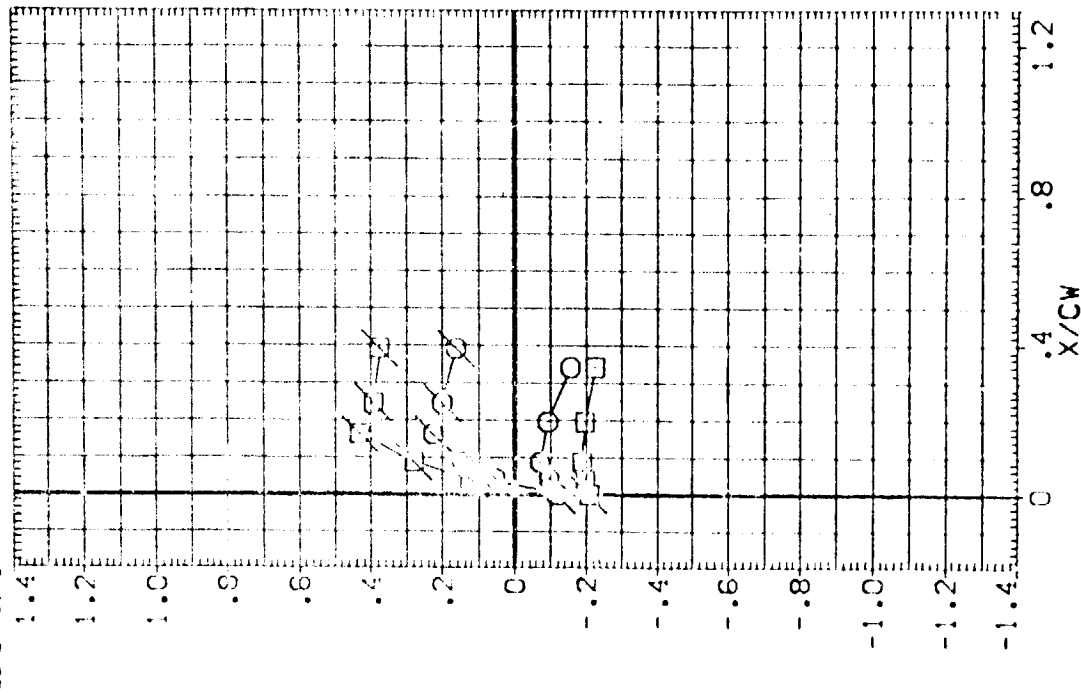


SYMBOL ALPHA Y/BV BETA  
 ○ 10.120 .289  
 □ 20.380 .364

MACH  
 RUDDER

PARAMETRIC VALUES  
 2.200 ELEVON  
 .000 SPOILER

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 [094] [5] OPEN ARC97-216 OA22 0:  
 [094] [5] FLASSED ARC97-216 OA22 0:



CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

SYMBOL  
O □

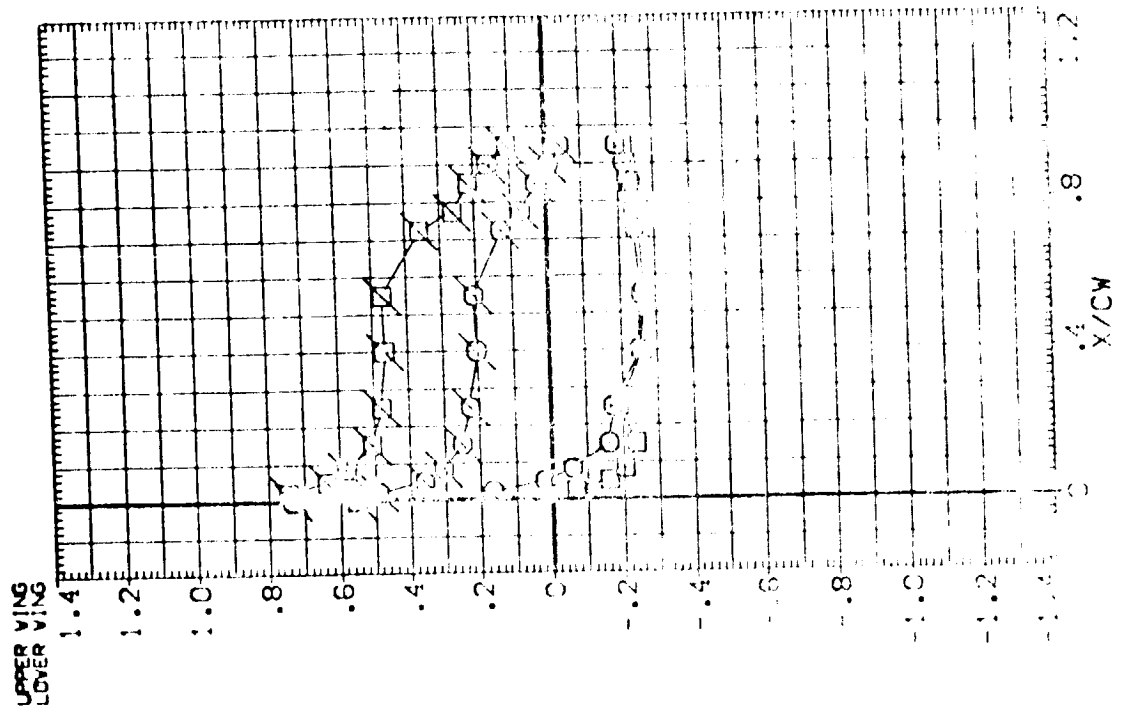
ALPHA  
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20.390

V/BV  
.427  
.534

BETA  
-.760

PARAMETRIC VALUES  
2.203 ELEVON  
.003 SPOBRK  
MACH  
FLUDER

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(R94U16) OPEN ARC97-716 CA22 G1  
(R94U16) FLAGGED ARC97-716 CA22 G1

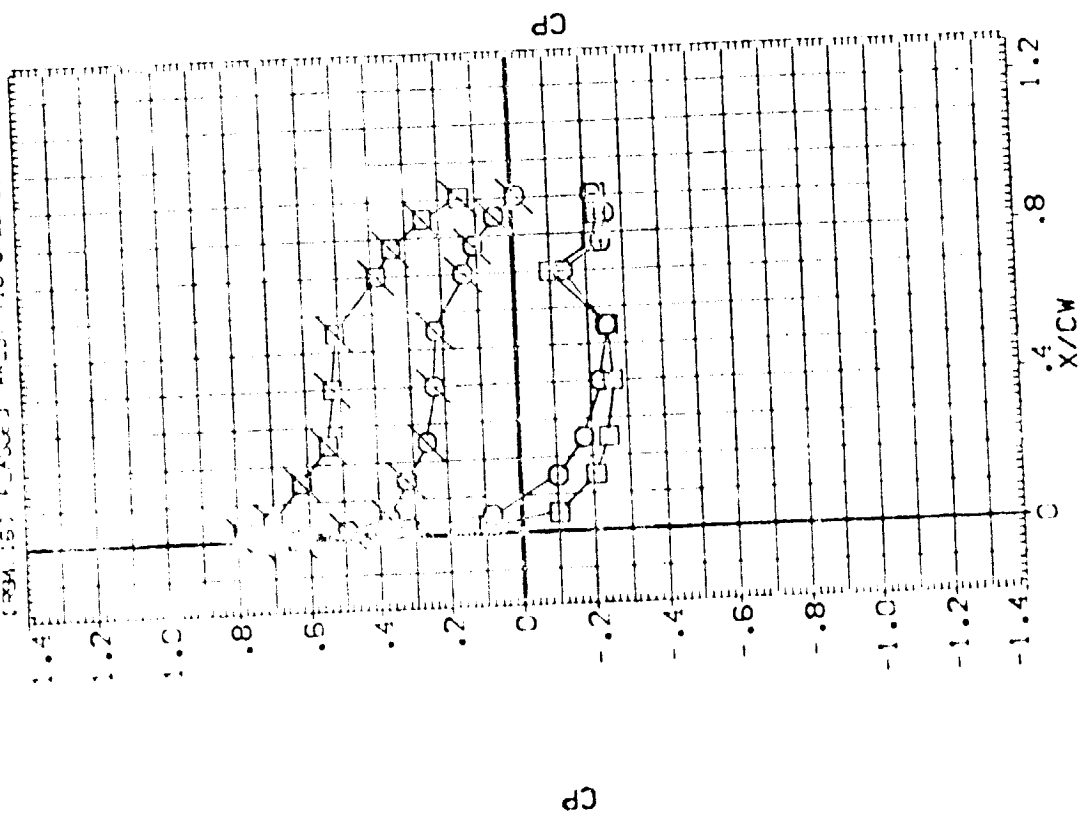
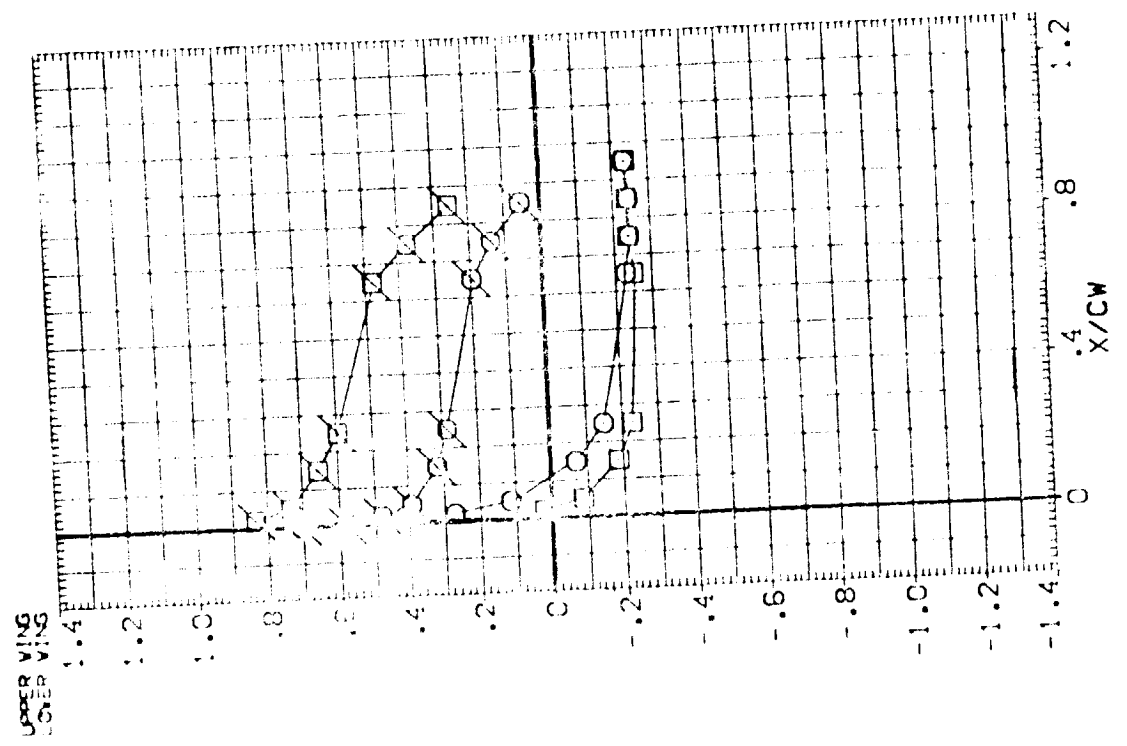


CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

PARAMETRIC VALUES  
 MACH 2.200  
 ELEVON .000  
 SPOILER .000  
 RUDDER

SYMBOL ALPHA 1/3 $\beta$  BETA  
 10.170 .673 .780  
 20.350 .780

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RBA) 16 OPEN A000-016 0A22 C1  
 (RBA) 16 FLASSED A000-016 0A22 C1

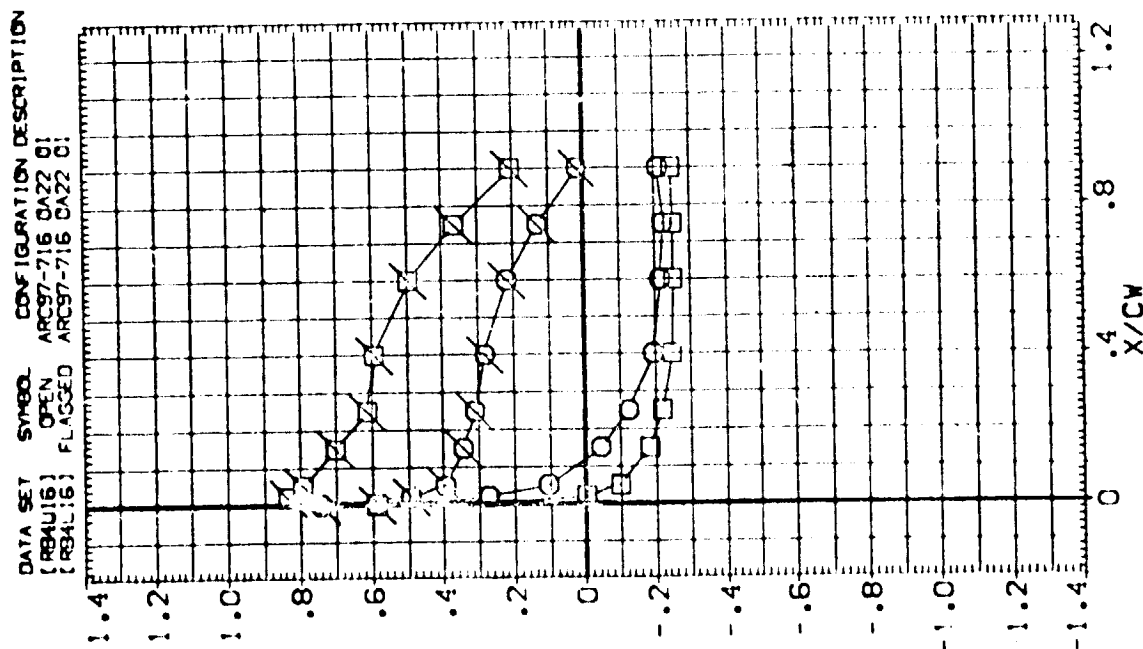


CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

PARAMETRIC VALUES  
 MACH 2.200 ELEVON .000  
 RUDDER .000

SYMBOL ALPHA V/BV BETA  
 10.120 .887 -.760  
 20.360

UPPER WING  
 LOWER WING



CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

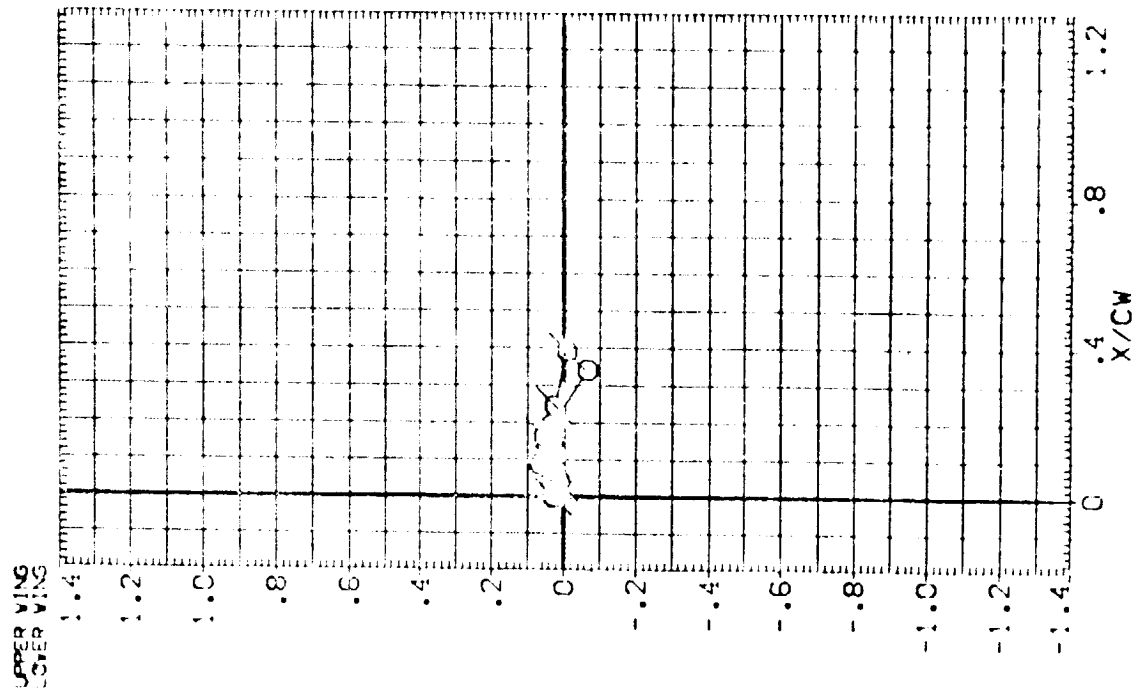
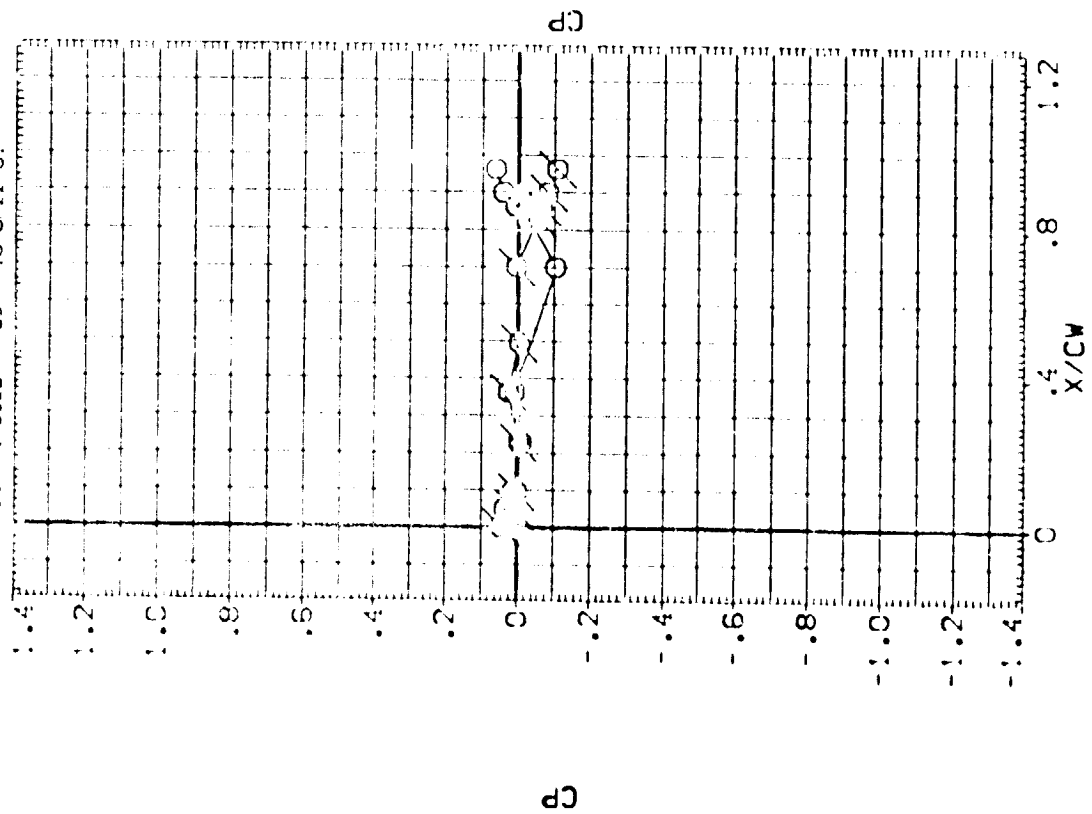


SYMBOL ALPHA  
-1.170

Y BV  
1.299  
BETA  
-1.080  
.364

PARAMETRIC VALUES  
MACH 2.1200 ELEVON .000  
RUDDER .000 SPOILER .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(004-15) OPEN ARC9-1715 DATA C1  
(004-16) CLOSED ARC9-1715 DATA C1



CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

SYMBOL

ALPHA

1/8N

BETA

0

-.170

.477

-.080

.534

MACH

RUDDER

2.200

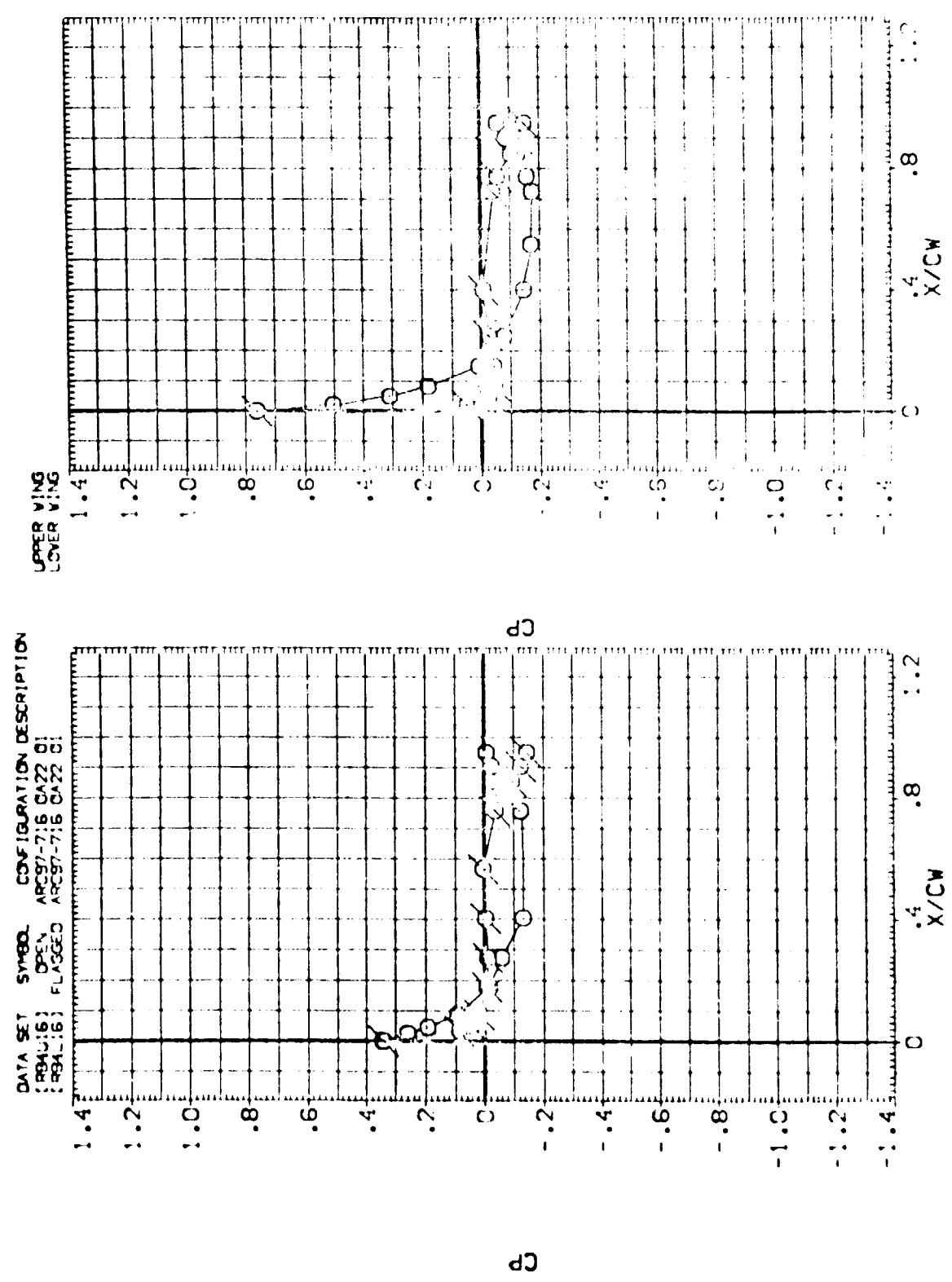
.000

ELEVON

SPOILER

.000

.000



UPPER WING

LOWER WING

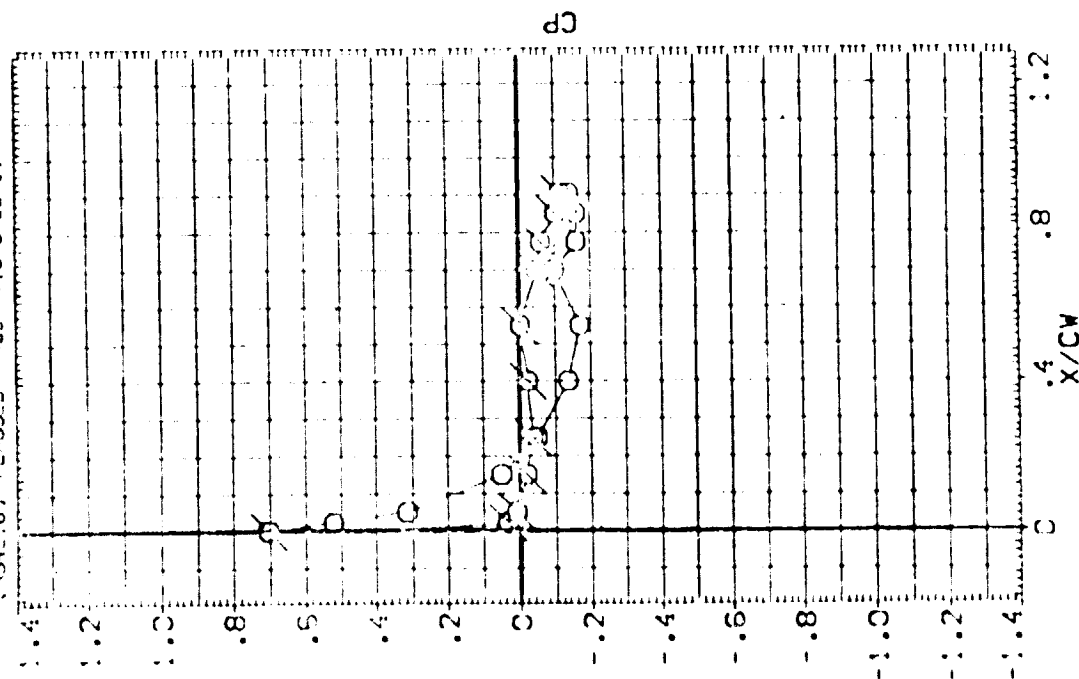
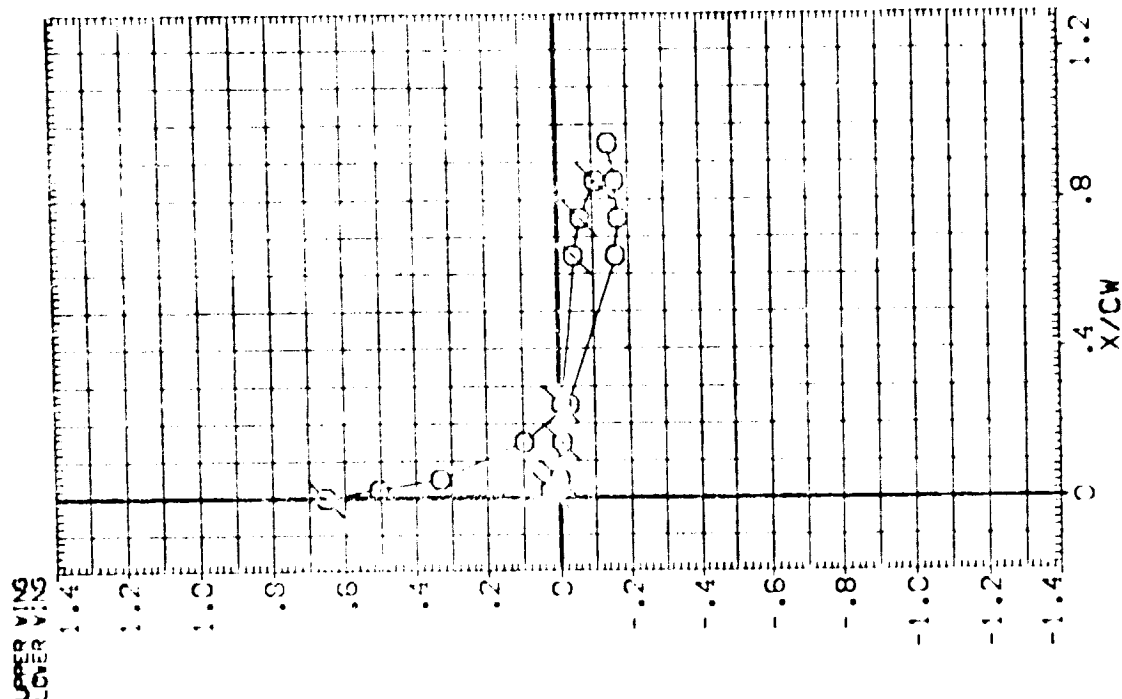
CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

PARAMETRIC VALUES  
 MACH 2.200 ELEVON .000  
 RUDDER .000

UPPER WING  
 LOWER WING

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (004-15) OPEN ARCSN-2:16 3422 (S)  
 (004-16) FLAGGED ARCSN-2:16 3422 (S)

SYMBOL ALPHA V/B<sub>0</sub> BETA  
 ○ -1.20 .673 -.080  
 .78C



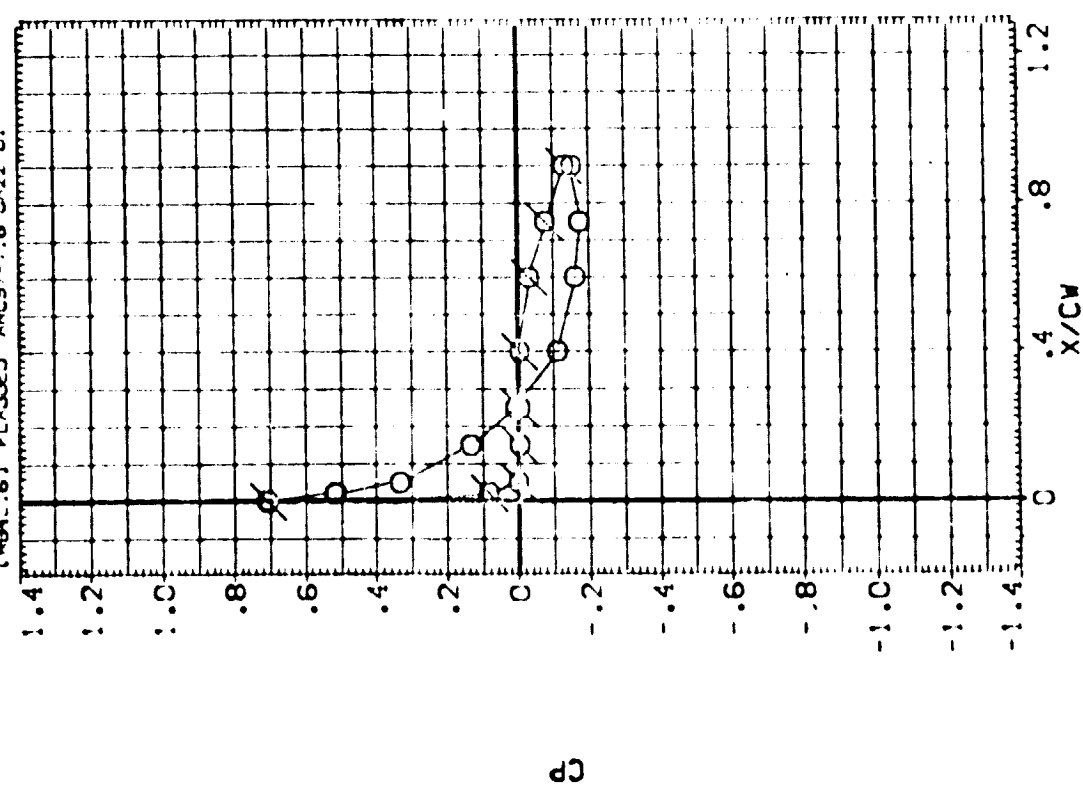
CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

MACH 2.200  
 RUDDER .000  
 PARAMETRIC VALUES  
 ELEVON .000  
 SPOILER .000

SYMBOL ALPHA V/BV BETA  
 O -0.120 .007 -.000

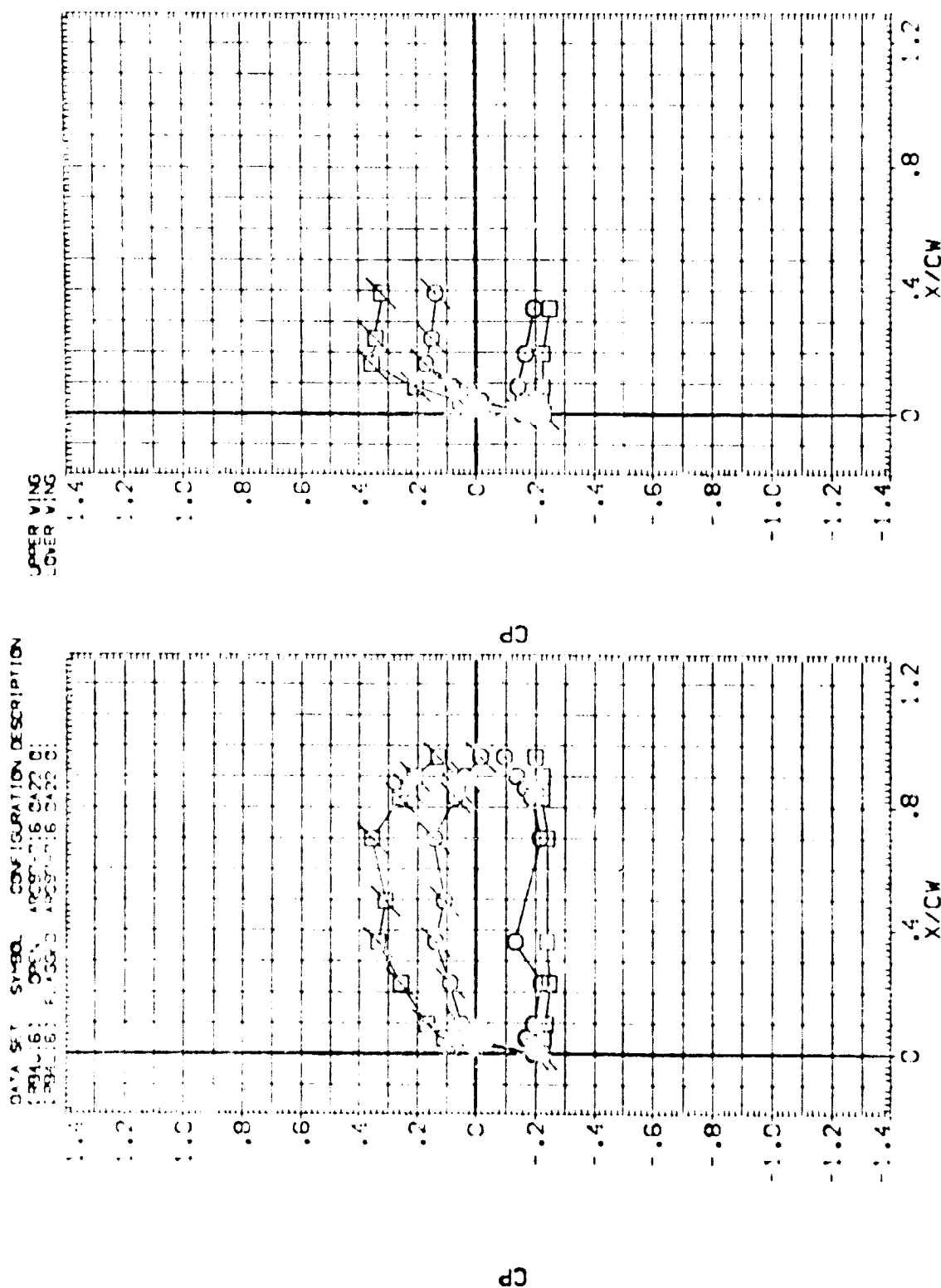
UPPER WING  
 LOWER WING

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 [RBAU:6] OPEN ARC97-716 CA22 D:  
 [RBAU:6] FLAGGED ARC97-716 CA22 D:



CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

SYMBOL ALPHA 1/5N BETA  
 10.120 .799 4.510  
 20.330 .361  
 PARAMETRIC VALUES  
 2.200 ELEVON .000  
 1.000 SPOILER .000



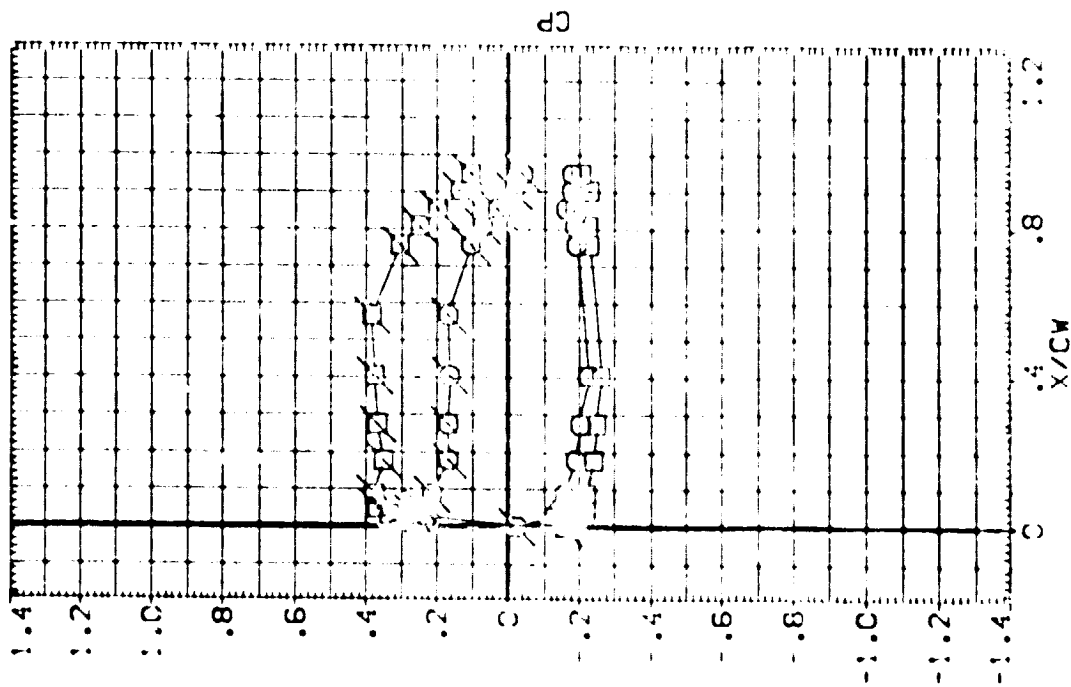
CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

SYMBOL ALPHA Y/BV BETA  
 10.120 .427 4.510  
 70.360 .534

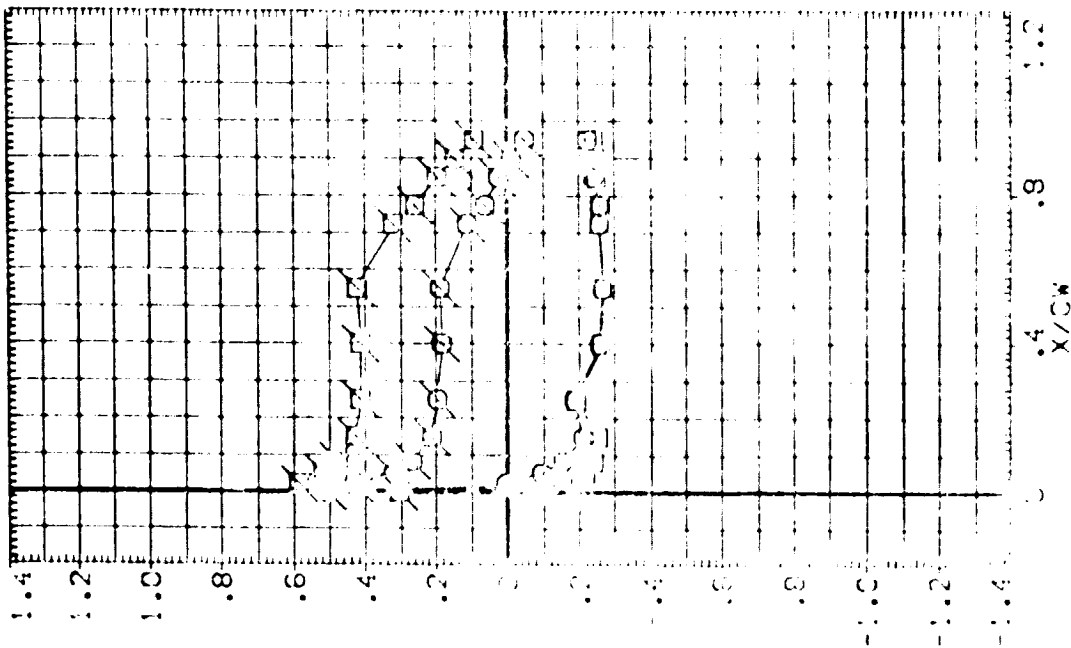
MACH 2.200 ELEVON .000  
 RUDDER .000 SPOILER .000

PARAMETRIC VALUES  
 2.200 ELEVON .000  
 .000 SPOILER .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 [RBAU16] OPEN ARC97-7:6 CA22 8:  
 [RBAU16] FLAGGED ARC97-7:6 CA22 8:



UPPER VING  
LOWER VING



CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE PRESSURES

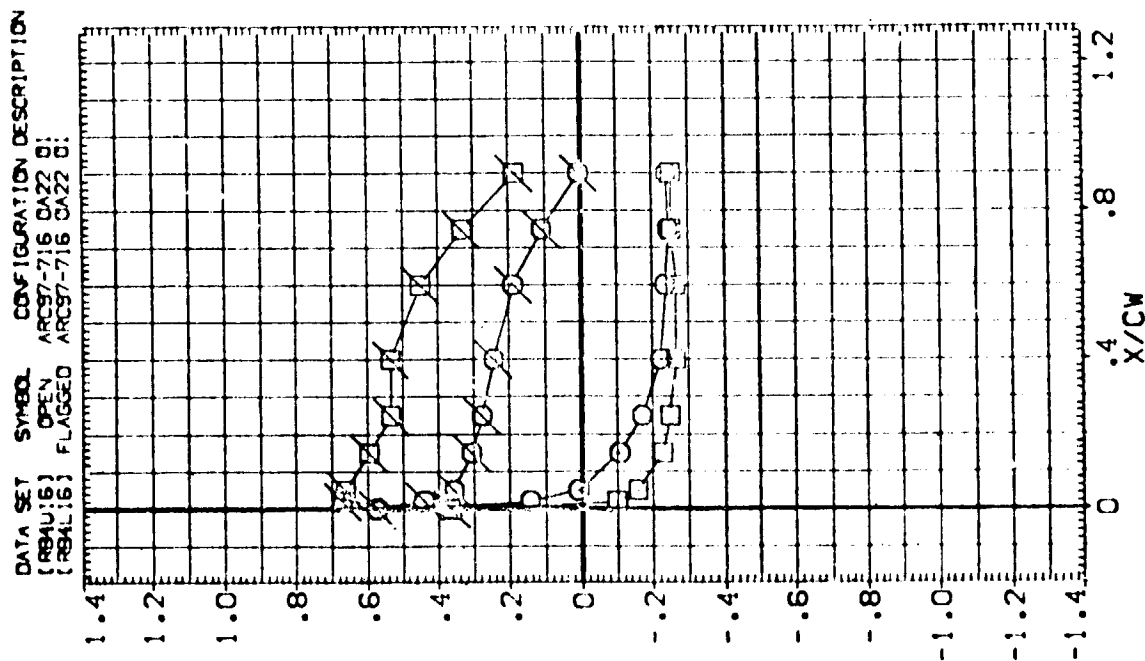
PARAMETRIC VALUES  
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SYMBOL ALPHA 10.120  
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DATA SET SYMBOL CONFIGURATION DESCRIPTION  
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PARAMETRIC VALUES  
MACH 2.200 ELEVON .000  
RUDDER .000 SPOILER .000

UPPER WING  
LOWER WING

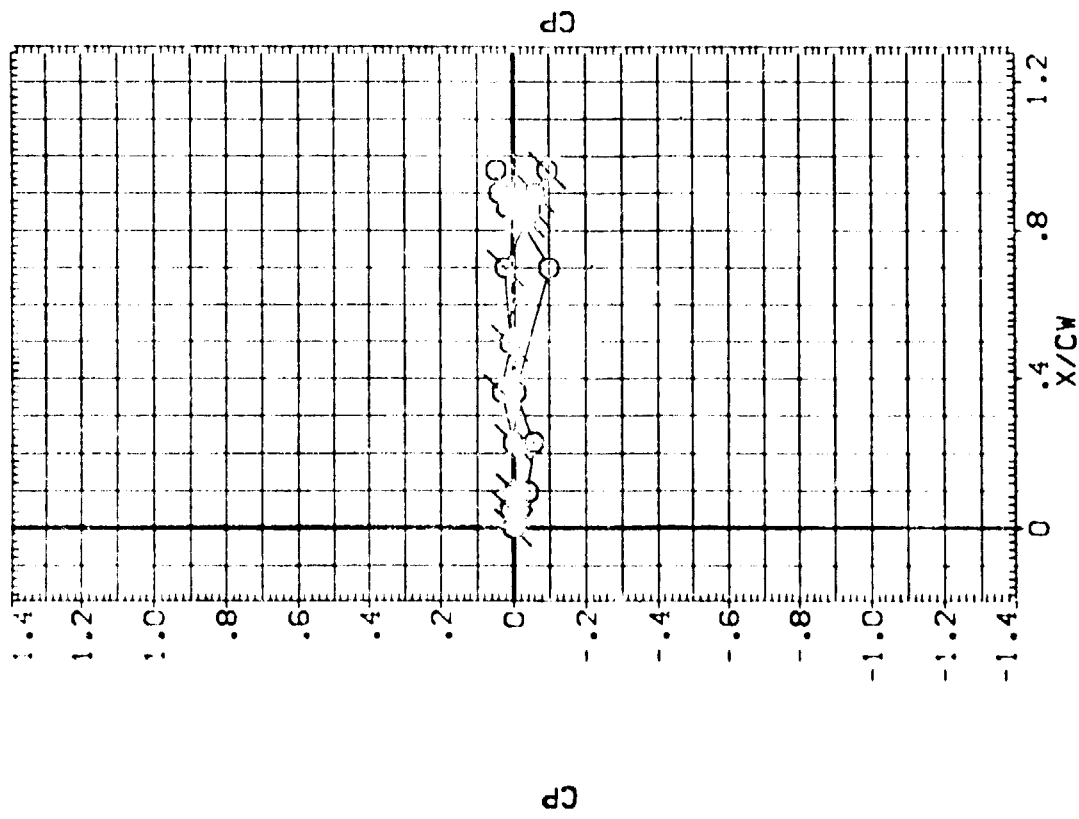


CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES



SYMBOL  $\alpha$   $\beta$   $\gamma/\delta$   $\epsilon$   $\zeta$   
 0 0 0 0 0  
 PARAMETRIC VALUES  
 2.200 ELEVON .000  
 .000 SPOILER .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 [R94U] 6 OPEN ARC97-716 CA22 01  
 [R94U] 6 FLASSED ARC97-716 CA22 01



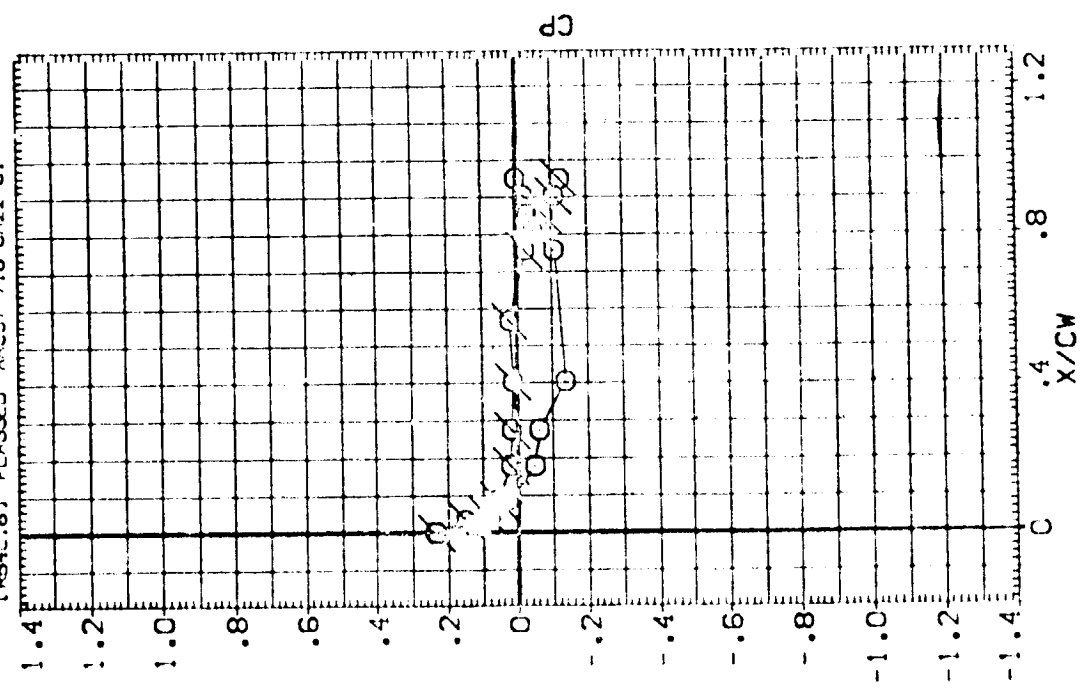
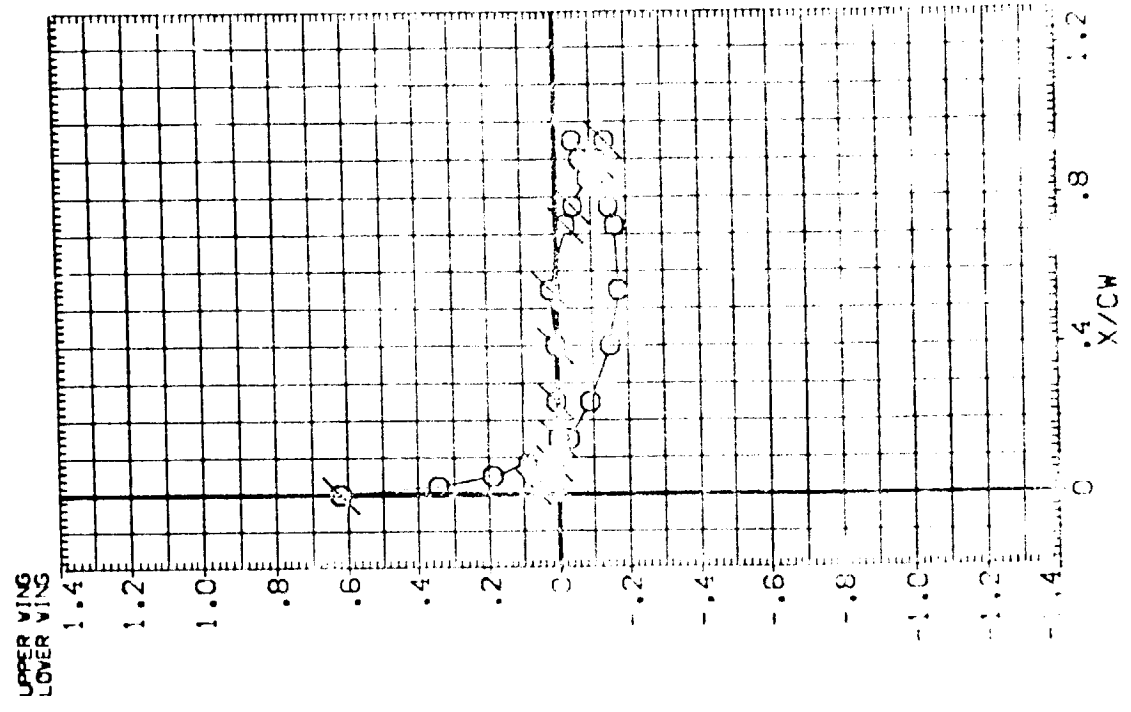
CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

SYMBOL ALPHA -0.120

Y/BV .427  
BETA 4.970  
.534

PARAMETRIC VALUES  
MACH 2.200  
RUDDER .000  
ELEVON .000  
SPOILER .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
[RB4U16] OPEN ARC97-716 OA22 01  
[RB4U16] FLAGGED ARC97-716 OA22 01

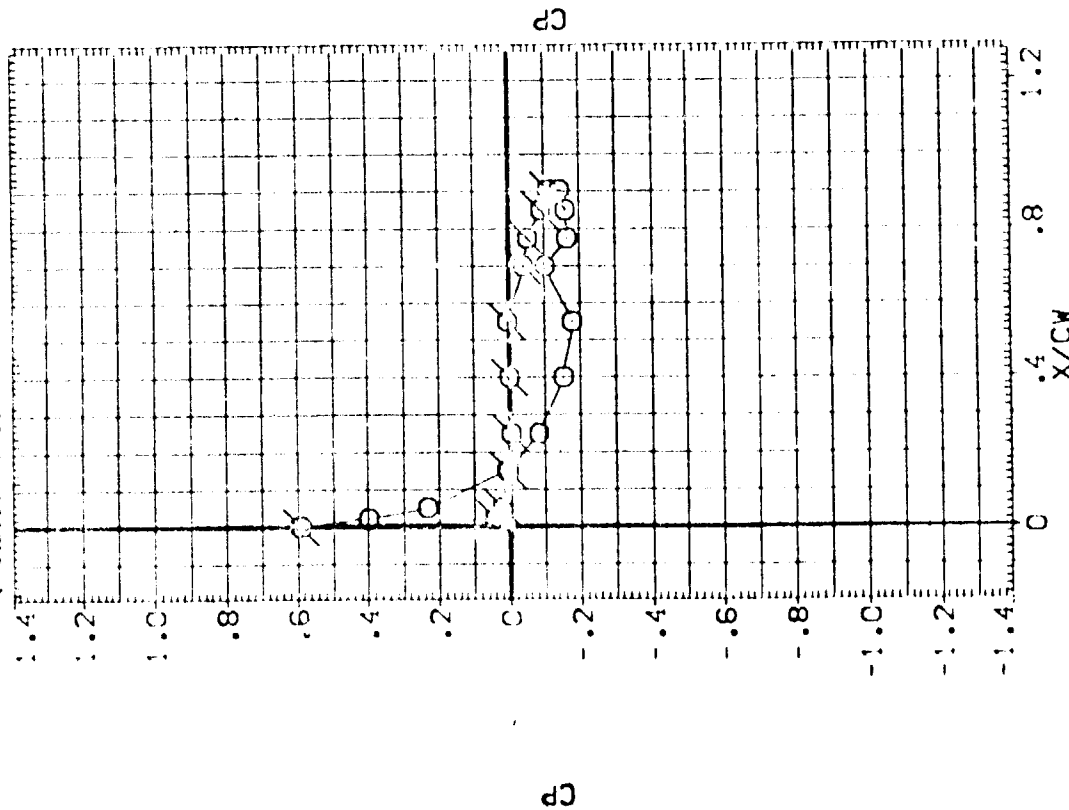
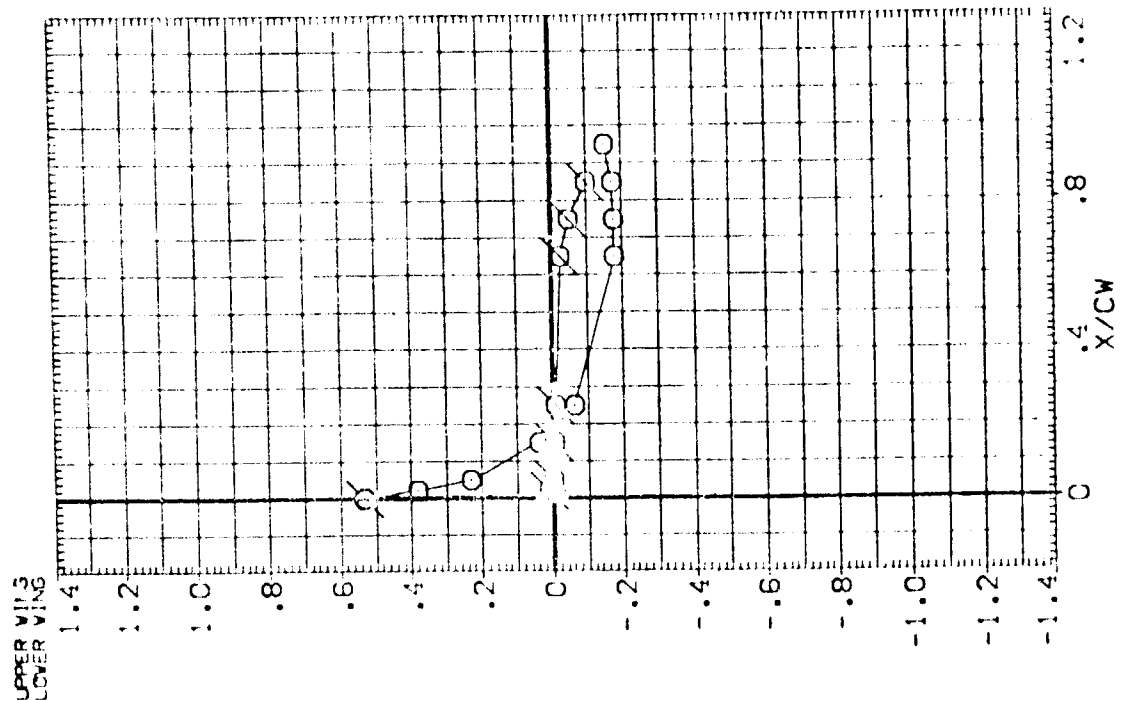


CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

PARAMETRIC VALUES  
 MACH 2.200 ELEVON .000  
 RUDDER .000

SYMBOL ALPHA Y/BV BETA  
 ○ -1.20 .673 4.970  
 .78C

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 [894] (6) OPEN ARC90-716 CA22 C1  
 [894] (6) FLAGGED ARC90-716 CA22 C1



CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

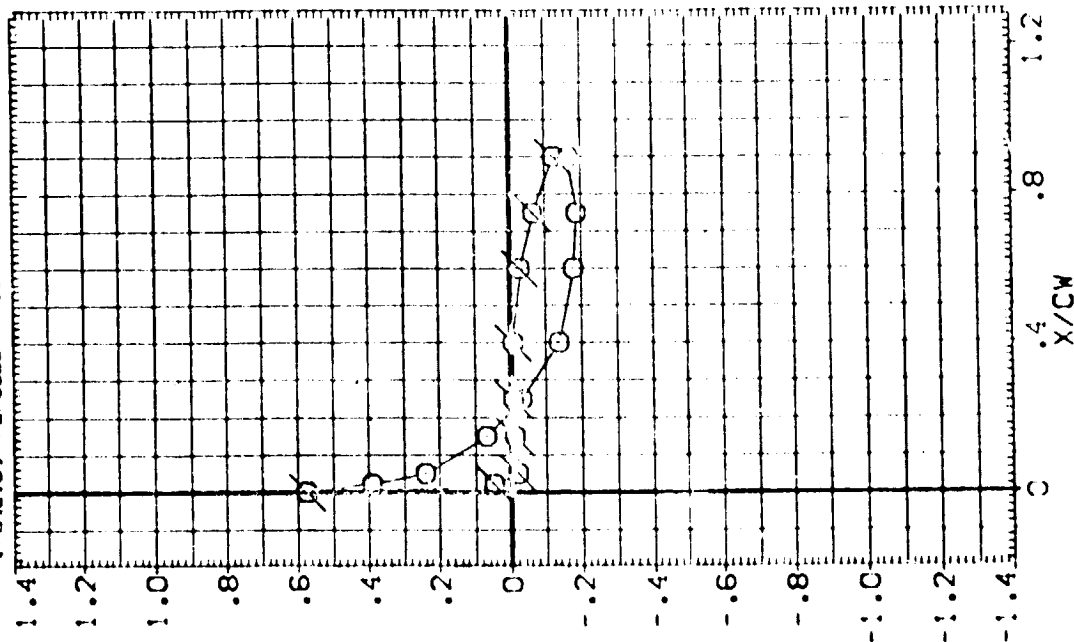
PARAMETRIC VALUES  
2.200 ELEVON  
.000 SPOILER  
MACH  
RUDDER

MACH  
RUDDER

SYMBOL ALPHA Y/BV BETA  
O -1.20 .687 4.970

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(R94U16) OPEN ARC97-715 CA22 C1  
(R94U16) FLASSED ARC97-716 CA22 C1

UPPER WING  
LOWER WING

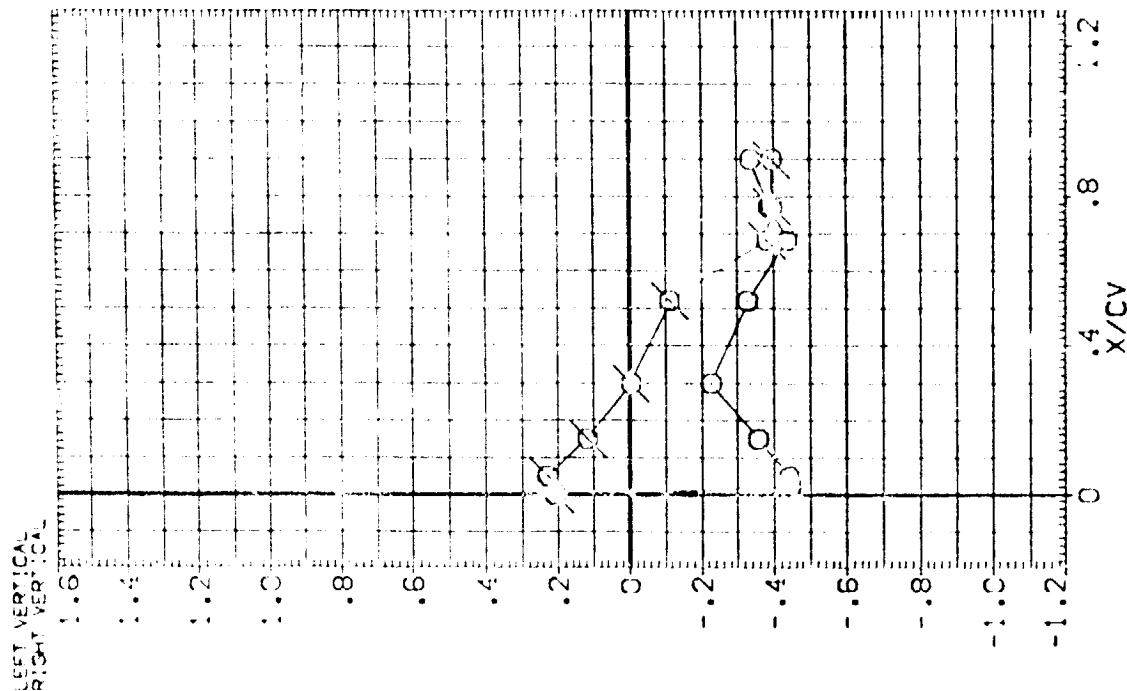
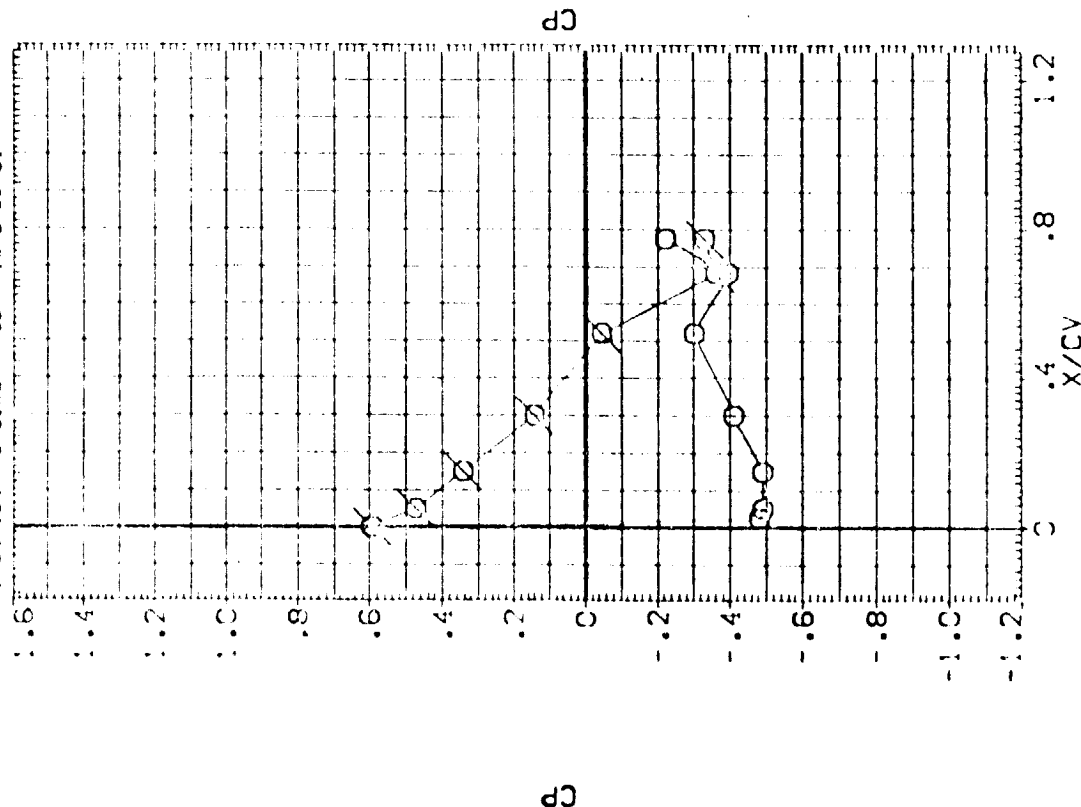


CHORDWISE DISTRIBUTION OF UPPER AND LOWER SURFACE WING PRESSURES

PARAMETRIC VALUES  
 MACH 1.550 ELEVON .000  
 RUDDER .000

SYMBOL ALPHA Z/BETA BETA  
 ○ 20.320 .158 -5.340  
 .316

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (P04V15) 051N APOG-015 0420 C;  
 (P04V15) 051N APOG-015 0420 C;



CHOROWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

SYMBOL  
O

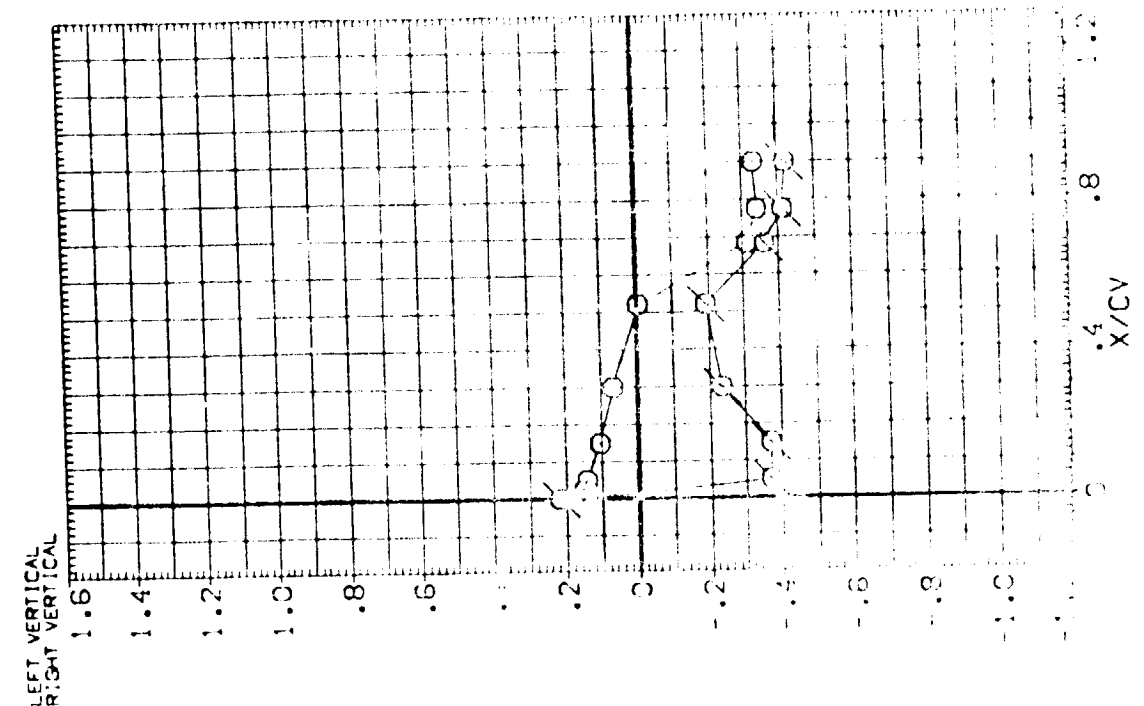
ALPHA  
20.370

Z/BV  
.600  
.840

BETA  
-5.340

PARAMETRIC VALUES  
MACH 1.550  
ELEVON .000  
RUDDER .000  
SPDRBK .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RB4V:5) OPEN ARC97-7:6 3A22 G:  
(RB4R:5) FLAGGED ARC97-7:6 3A22 G:



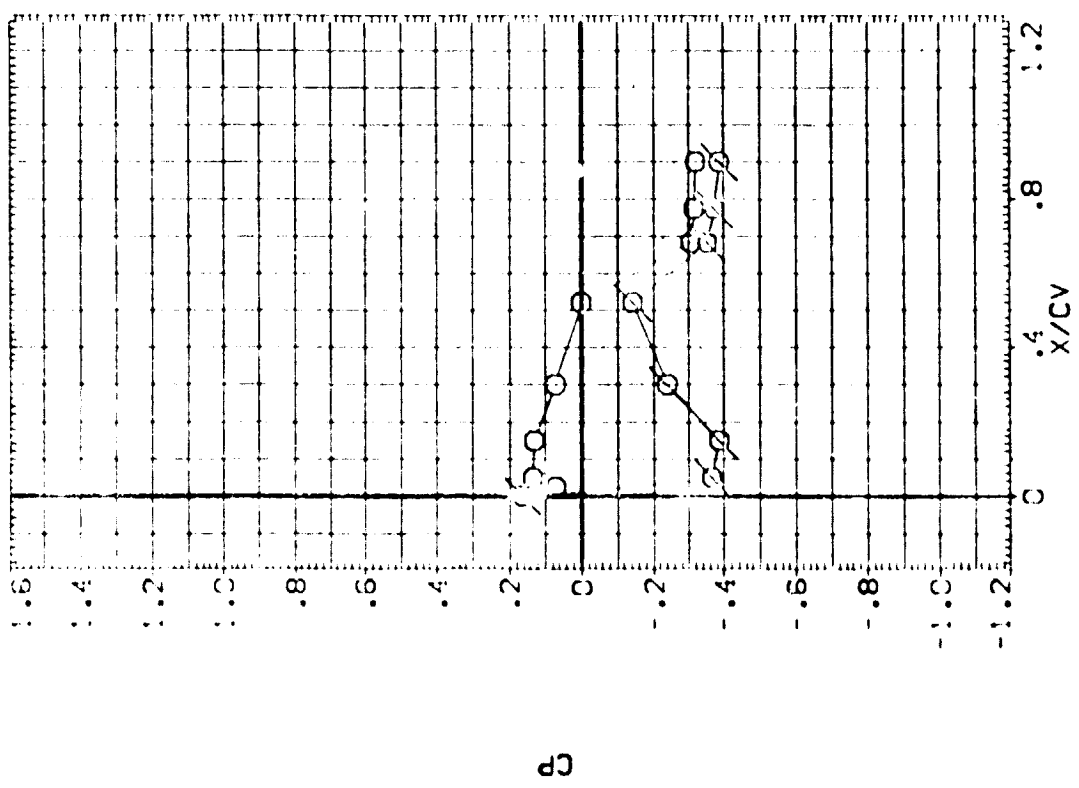
CLOCKWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

SYMBOL ALPHA 20.300  
 MACH 1.550  
 RUDDER .000

BETA -5.340  
 ELEVON .000  
 SPOILER .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (204V15) 0001 ARCSN-7:6 2A22 C  
 (204V15) 0002 ARCSN-7:6 2A22 C

LEFT VERTICAL  
 RIGHT VERTICAL

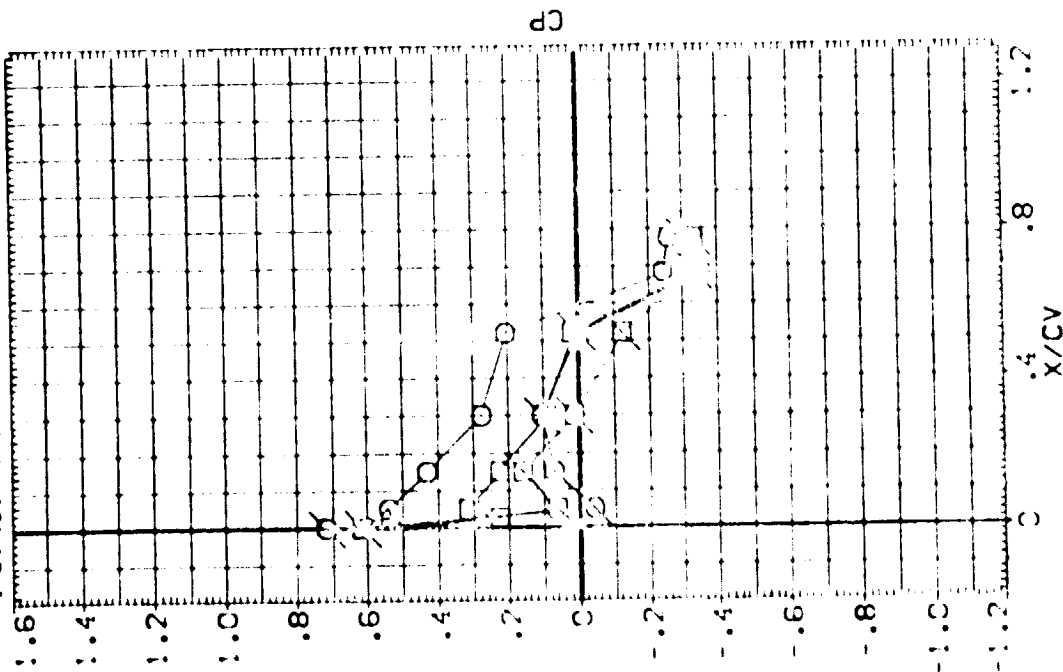
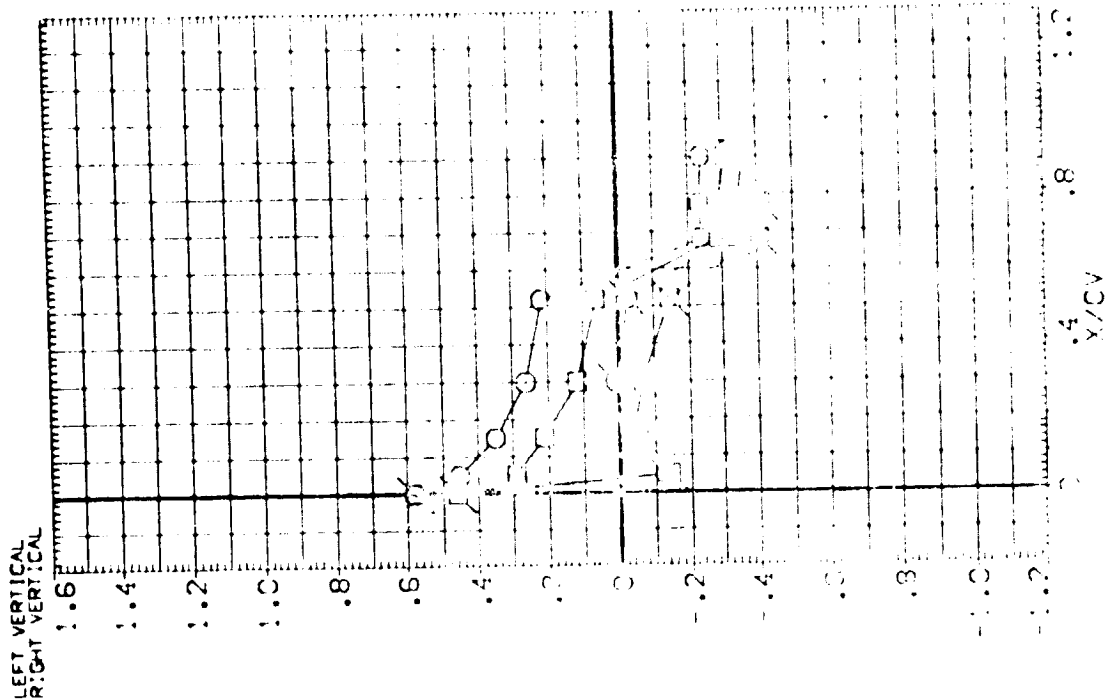


# CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

PARAMETRIC VALUES  
 MACH 1.550  
 ELEVON .000  
 SPOILER .000

SYMBOL ALPHA Z/BV BETA  
 O -1.30 .158 -4.940  
 10.05C .316

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 [RB4V:5] OPEN ARC97-7:16 CA22 C:  
 [RB4R:5] FLAGGED ARC97-7:16 CA22 C:



CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

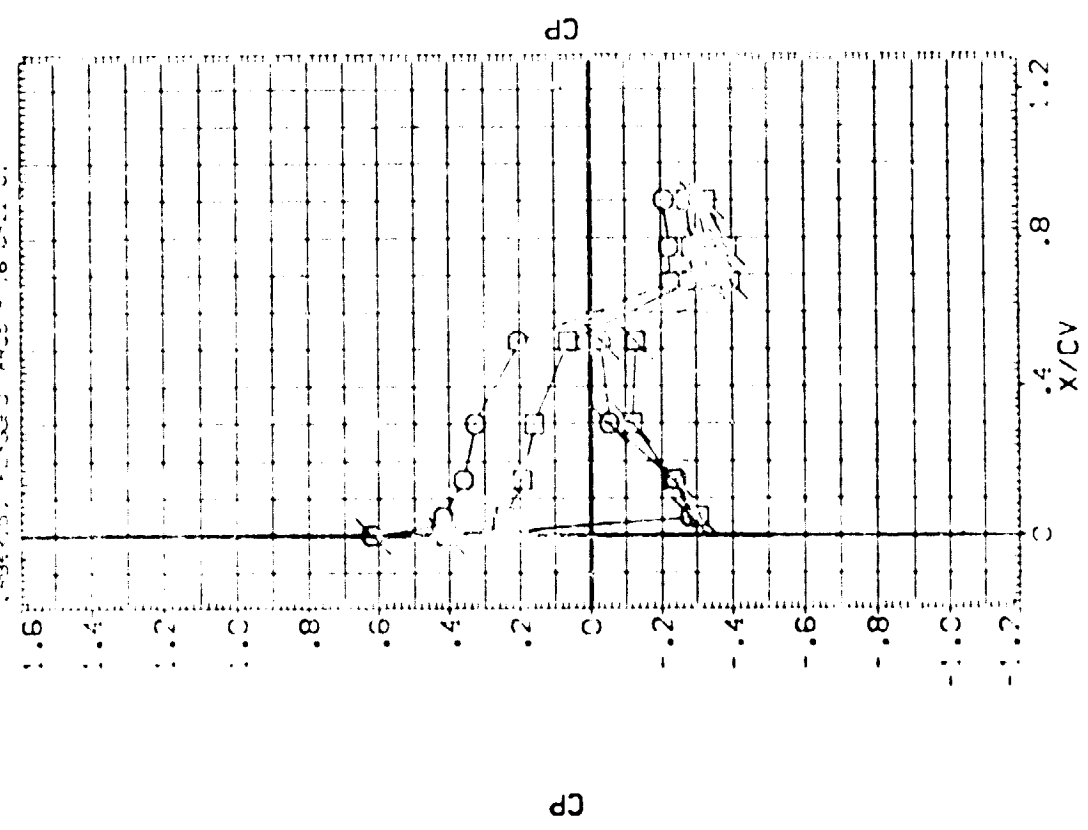


PARAMETRIC VALUES  
 MACH 1.550 ELEVON .000  
 RUDDER .000 SPOON .000

ALPHA  
 -1.30  
 10.090

Z/BV .600  
 BETA  
 -1.940  
 .840

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (204) 151 30000 ARCON-2118 2400 31  
 (204) 215 10000 ARCON-2118 2400 31



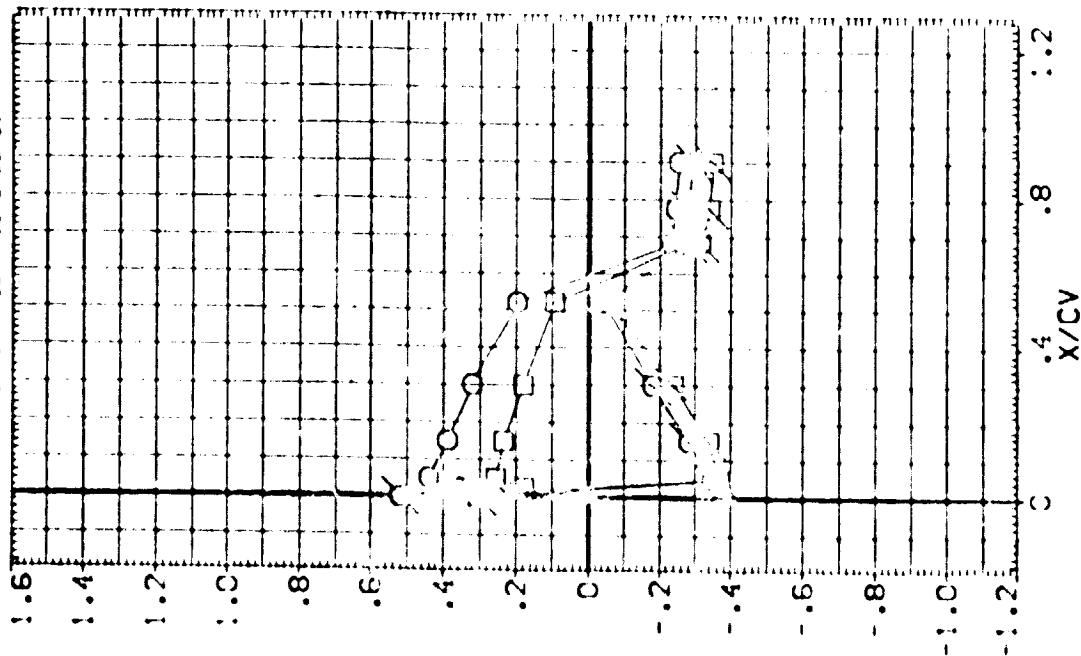
CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

PARAMETRIC VALUES  
 MACH 1.550 ELEVON .000  
 RUDDER .000 SPOBRK .000

SYMBOL ALPHA Z/BV BETA  
 O -1.32 .925 -4.940  
 [ ] 10.050

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 [RBAY:5] OPEN ARC97-7:6 CA22 01  
 [RBAY:5] FLAGGED ARC97-7:6 CA22 01

LEFT VERTICAL  
 RIGHT VERTICAL



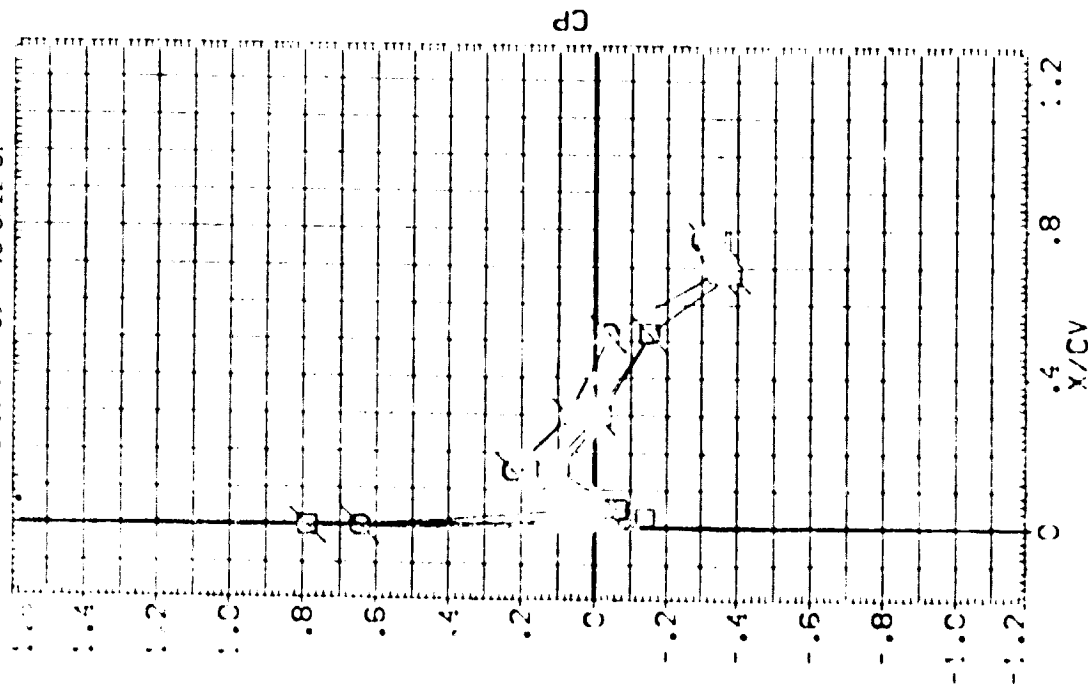
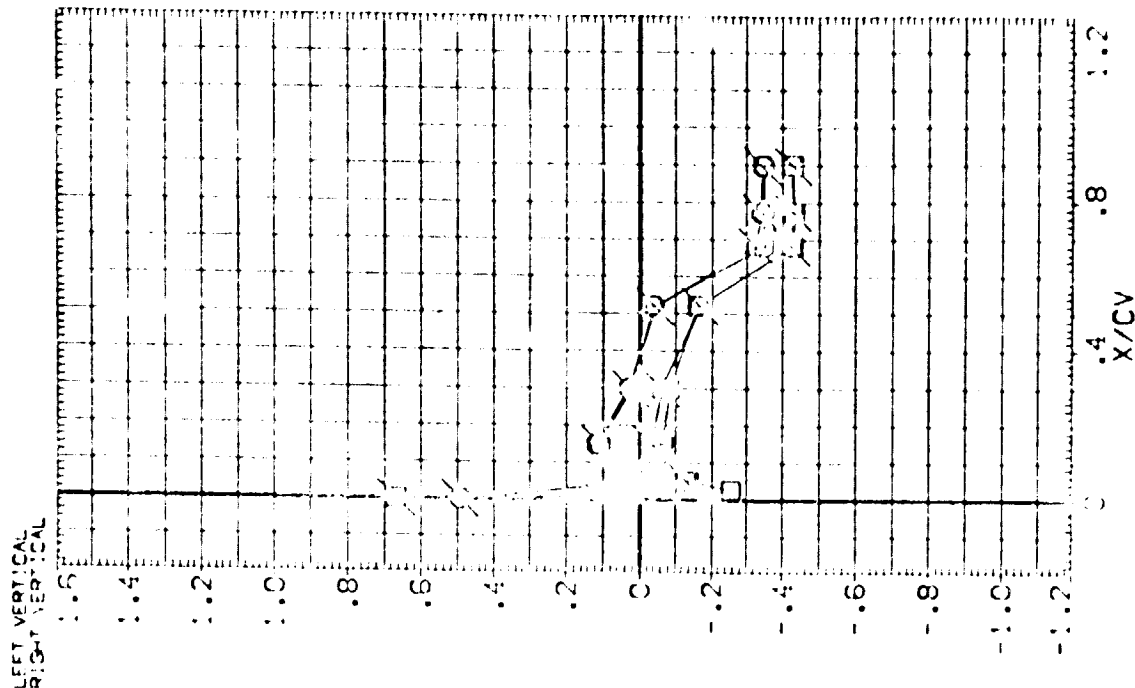
CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

SYMBOL ALPHA Z/B: BETA

10.090 .158 -1.150  
20.370 .316

MACH RUDER  
1.550 .000  
ELEVON SPDBRM .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(R34V15) DATA AR000-218 DATA 01  
(R34V15) FL000 AR000-218 DATA 01



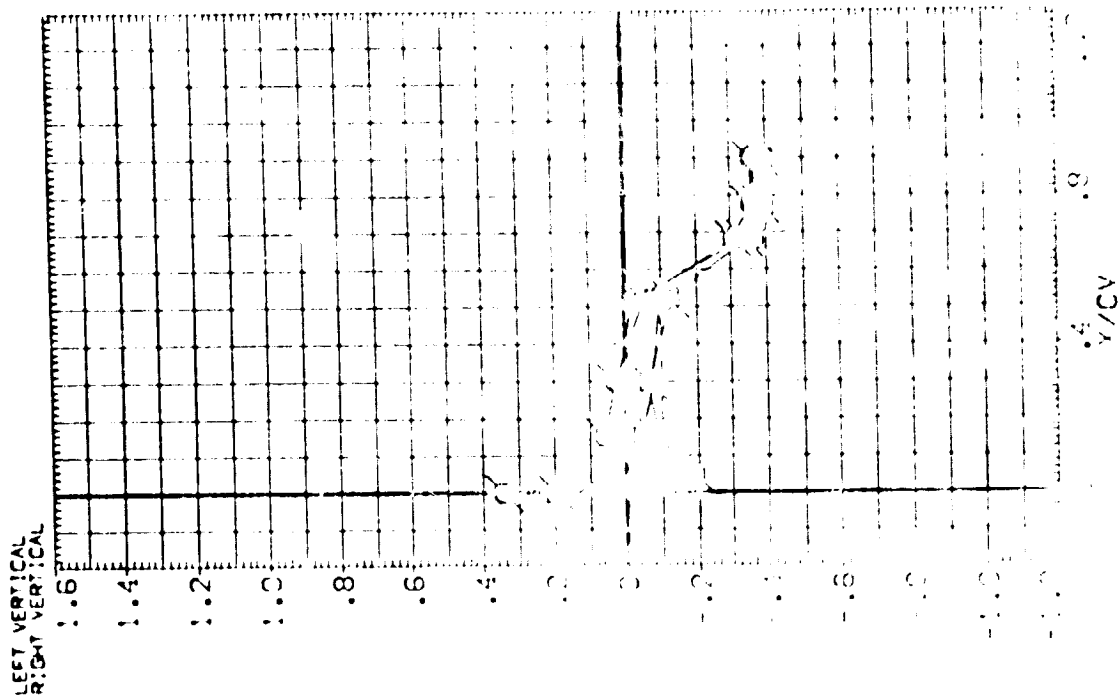
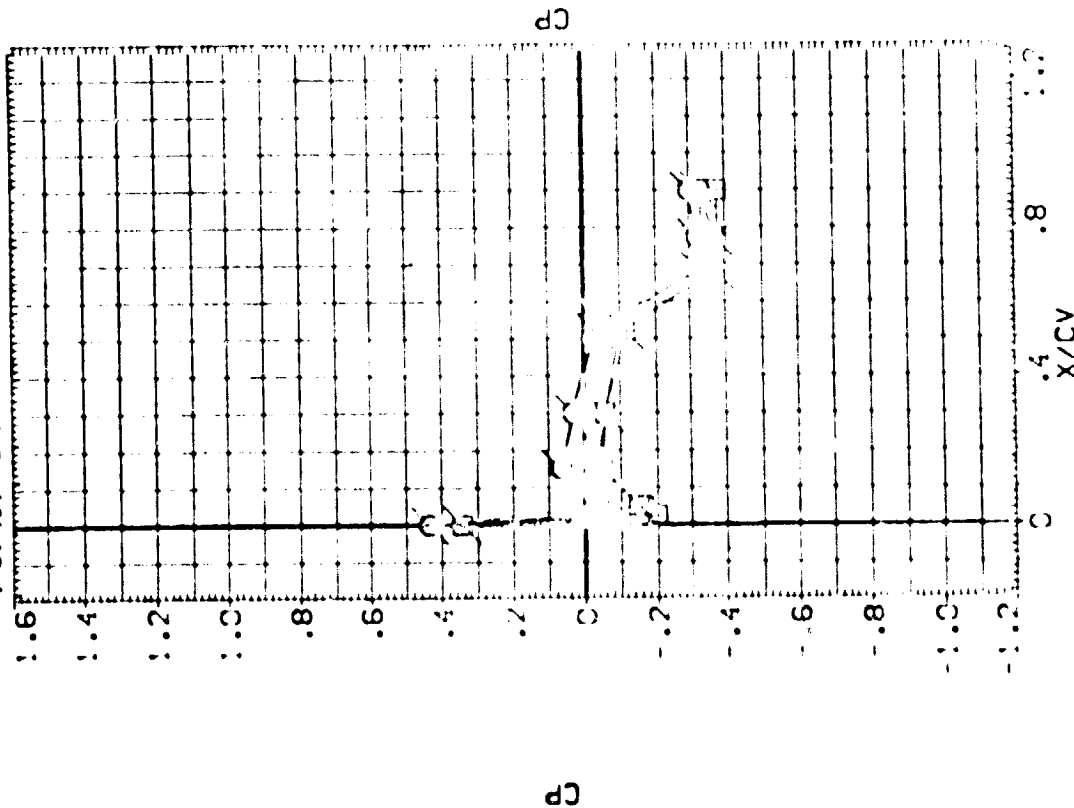
CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

SYMBOL ALPHA 10.090  
20.370

Z/BV .600  
BETA -.150  
.840

PARAMETRIC VALUES  
MACH 1.550  
ELEVON .000  
RUDDER .000  
SPOILER .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
[RBAV:5] OPEN ARC97-7:6 CA22 C:  
[RBAV:5] FLAGGED ARC97-7:6 CA22 C:



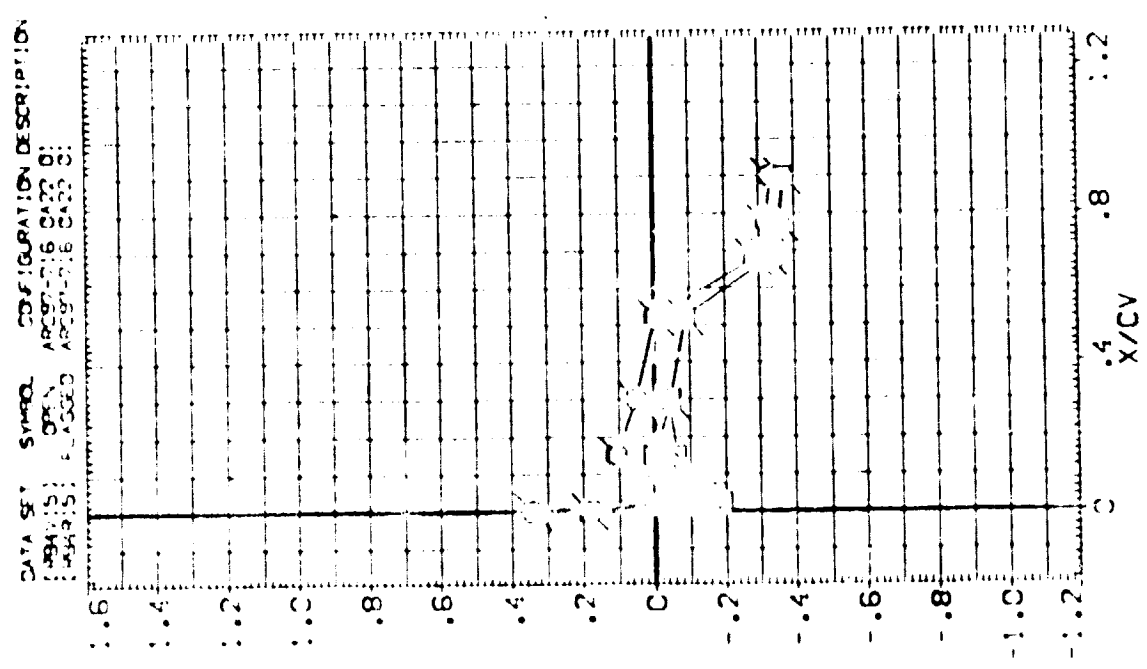
CLOCKWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE NORMAL TAIL PRESSURES

PARAMETRIC VALUES  
 1,550 ELEVON  
 .000 SPOON  
 .000

MACH  
 RUDDER

SYMBOL ALPHA 2/BY BETA  
 19.080 .975 -1.150  
 20.320

LEFT VERTICAL  
 RIGHT VERTICAL

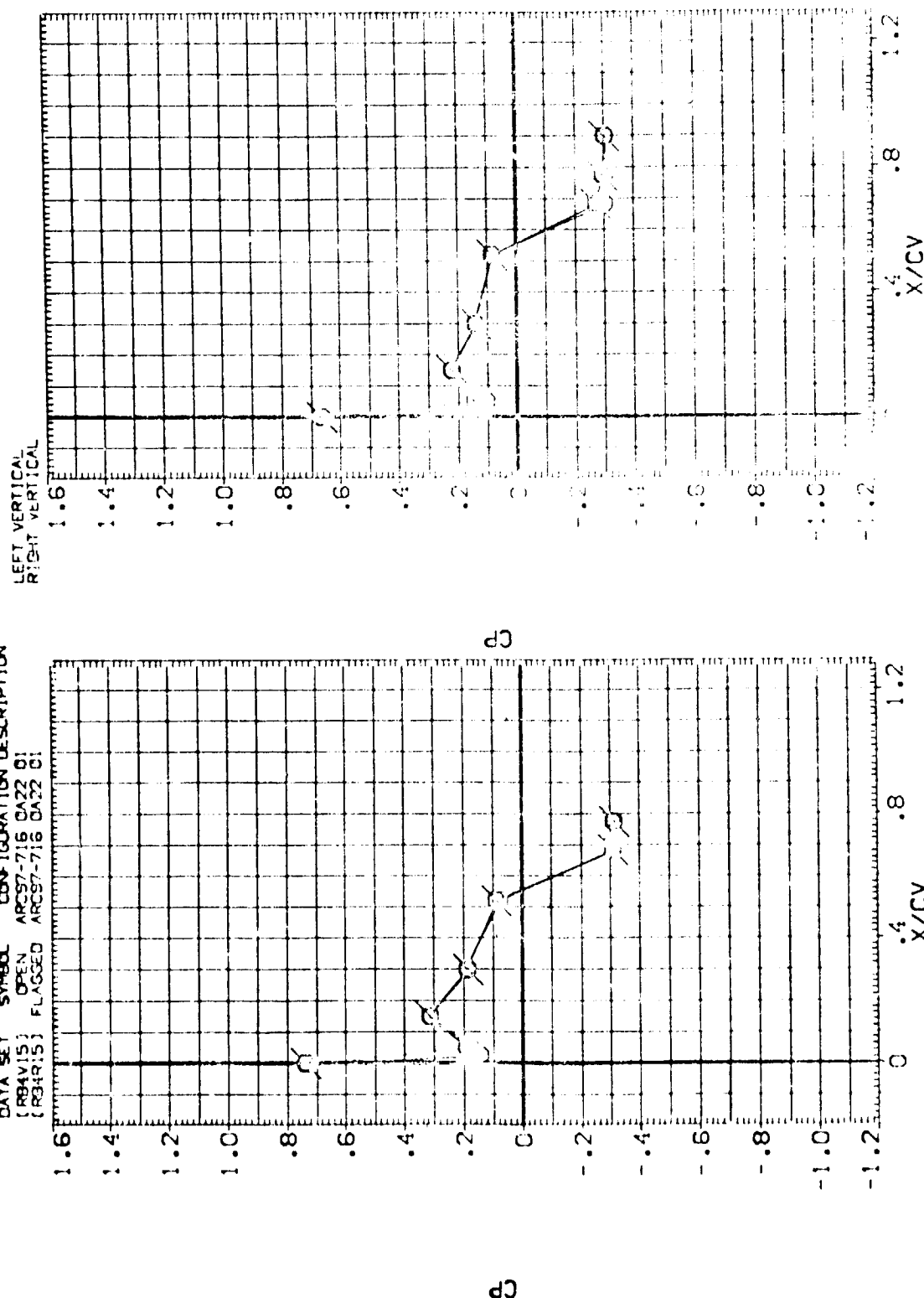


SYMBOL ALPHA Z/BV BETA  
 0 -0.130 .158 .080  
 .316

MACH RUDDER  
 1.550 .000  
 ELEVON SPDRK .000

PARAMETRIC VALUES  
 1.550 .000  
 ELEVON SPDRK .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 [RBAV15] OPEN ARCS7-716 DA22 01  
 [RBR15] FLAGGED ARCS7-716 DA22 01

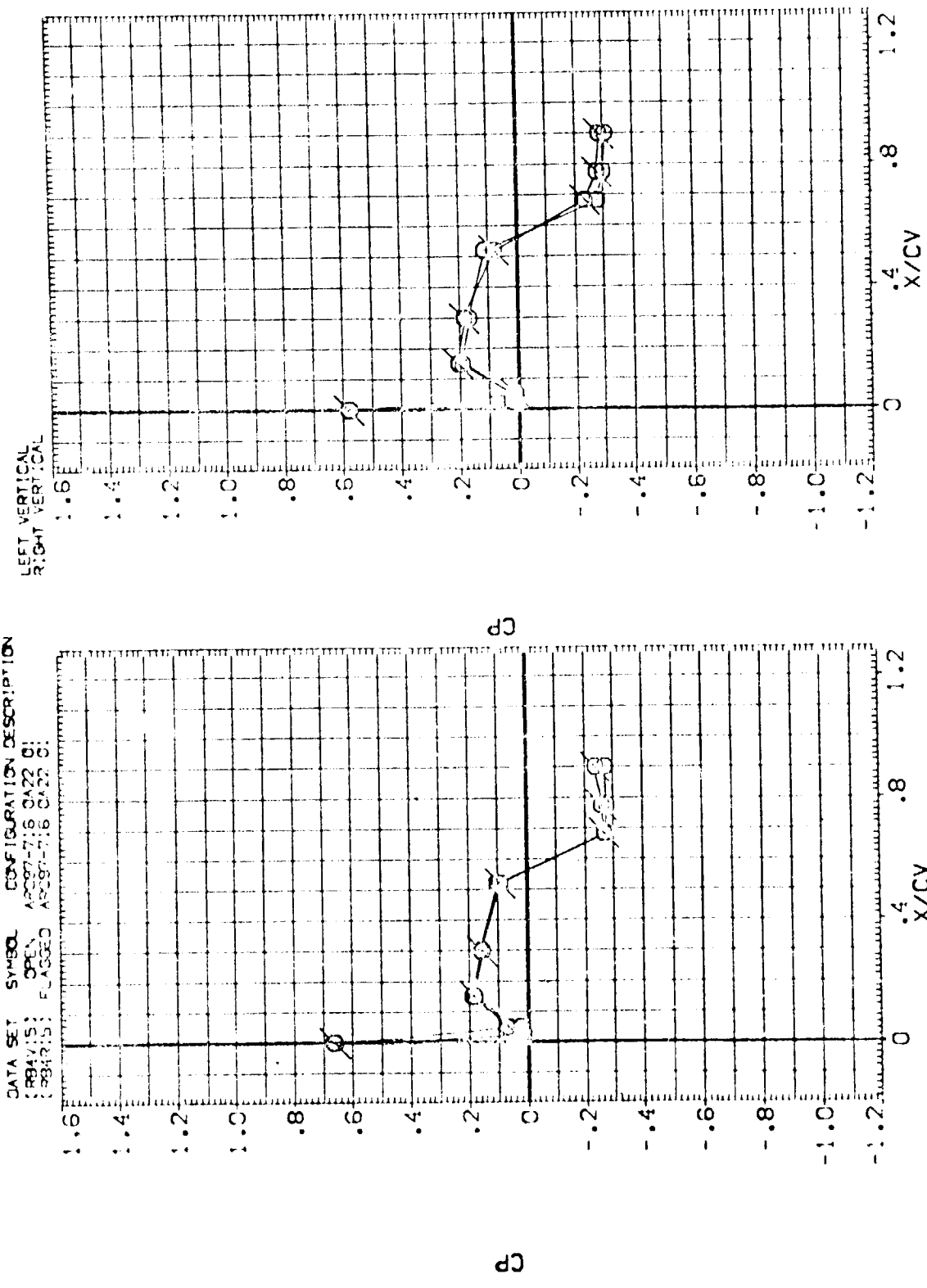


PARAMETRIC VALUES  
 1.550 ELEVON .000  
 .000 SPOILER .000

MACH  
 RUDDER

SYMBOL ALPHA Z/BY BETA  
 O -1.30 .600 .080  
 .840

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RBAV15) OPEN ARC97-71.6 QAZZ 01  
 (RBAV15) FLASSED ARC97-71.6 QAZZ 01



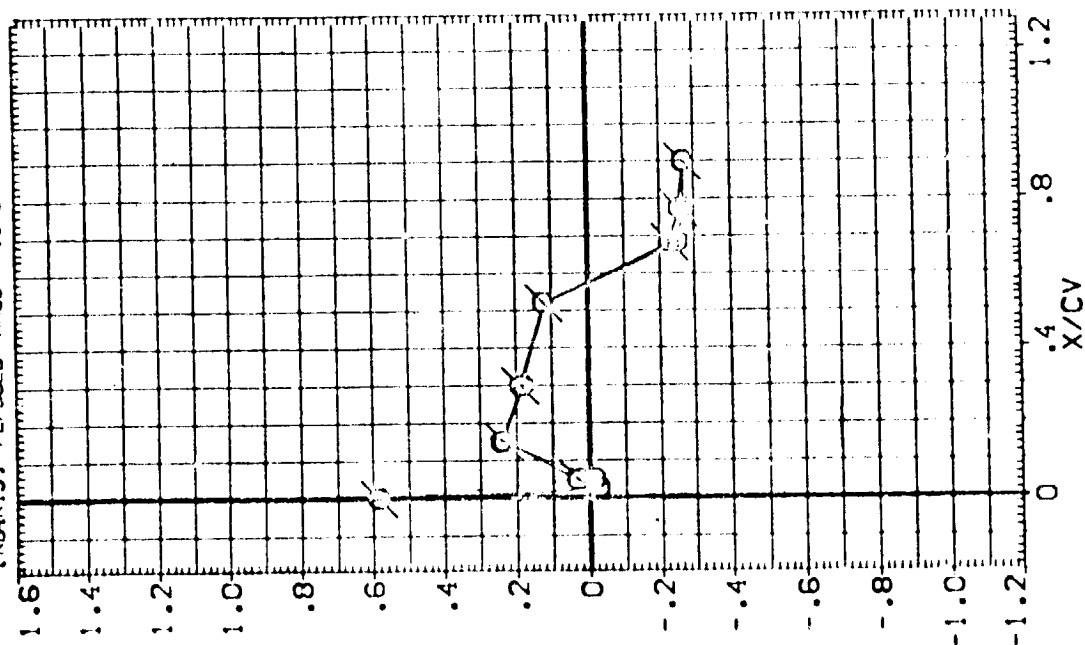
CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

PARAMETRIC VALUES  
MACH 1.550 ELEVON .000  
RUDDER .000

SYMBOL ALPHA Z/BV BETA  
O - .130 .925 .080

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RBAR:5) OPEN ARC97-716 OA22 C:  
(RBAR:5) FLAGGED ARC97-716 OA22 C:

LEFT VERTICAL  
RIGHT VERTICAL



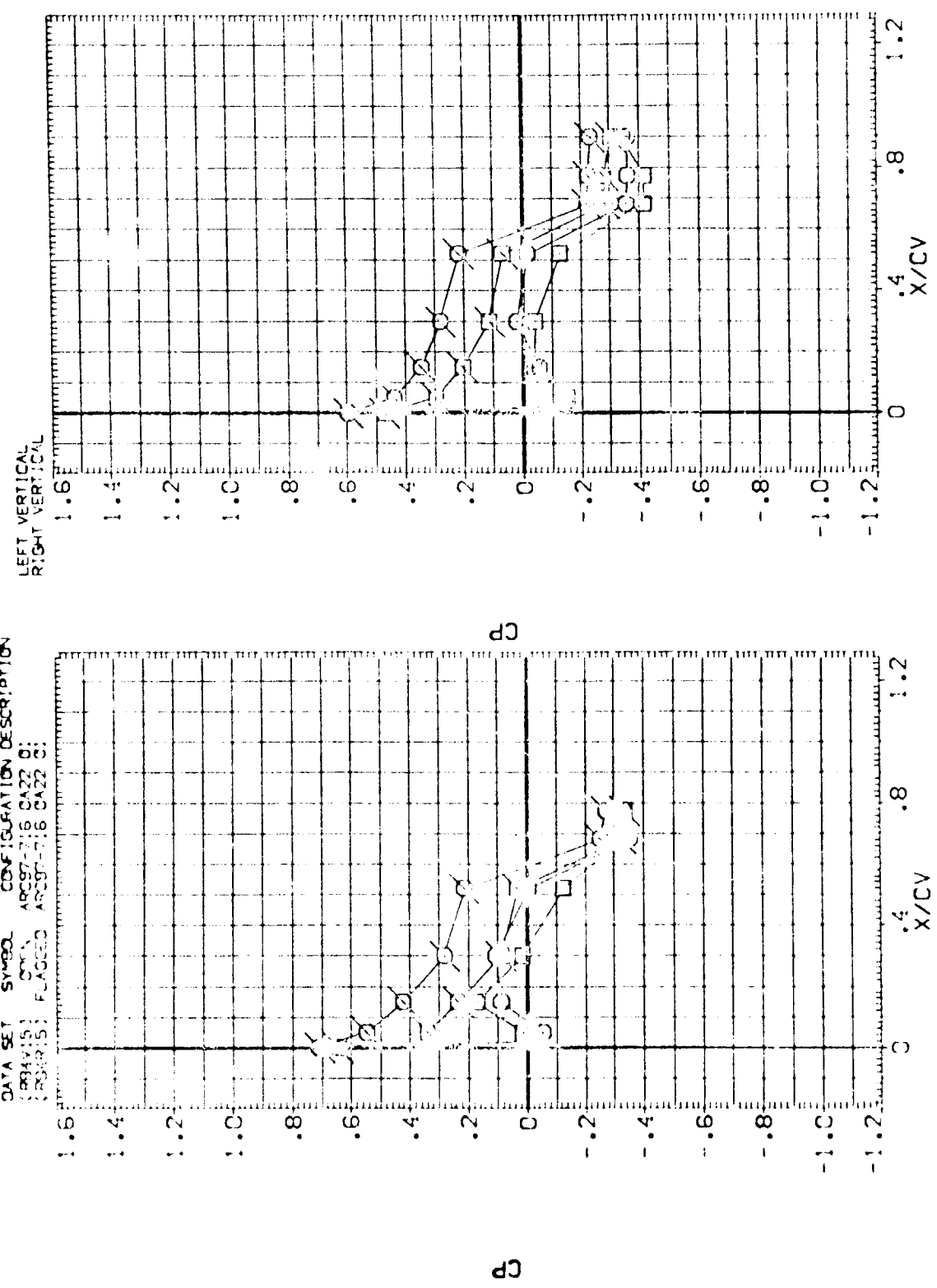
CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES



SYMBOL ALPHA Z/B: BETA  
 -1.30 .158 5.040  
 10.09C .316

PARAMETRIC VALUES  
 MACH 1.550 ELEVON .000  
 RUDDER .000 SPOBRK .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (R34V15) C00N ARC97-716 CA22 0:  
 (R34V15) FLAGGED ARC97-716 CA22 0:



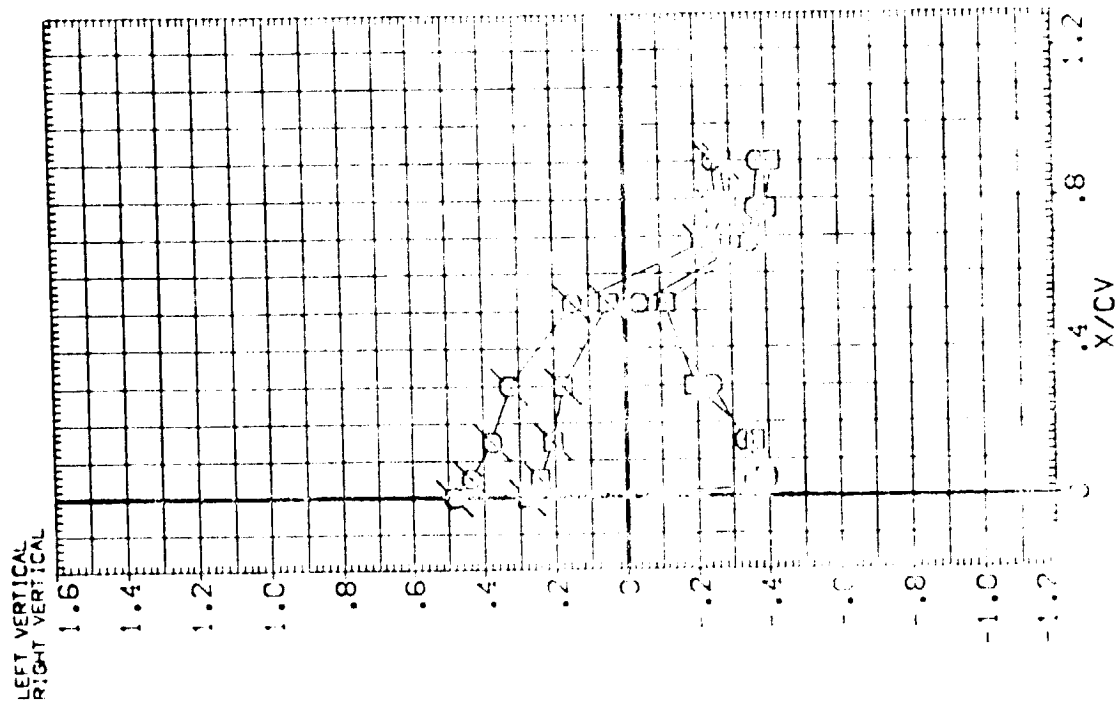
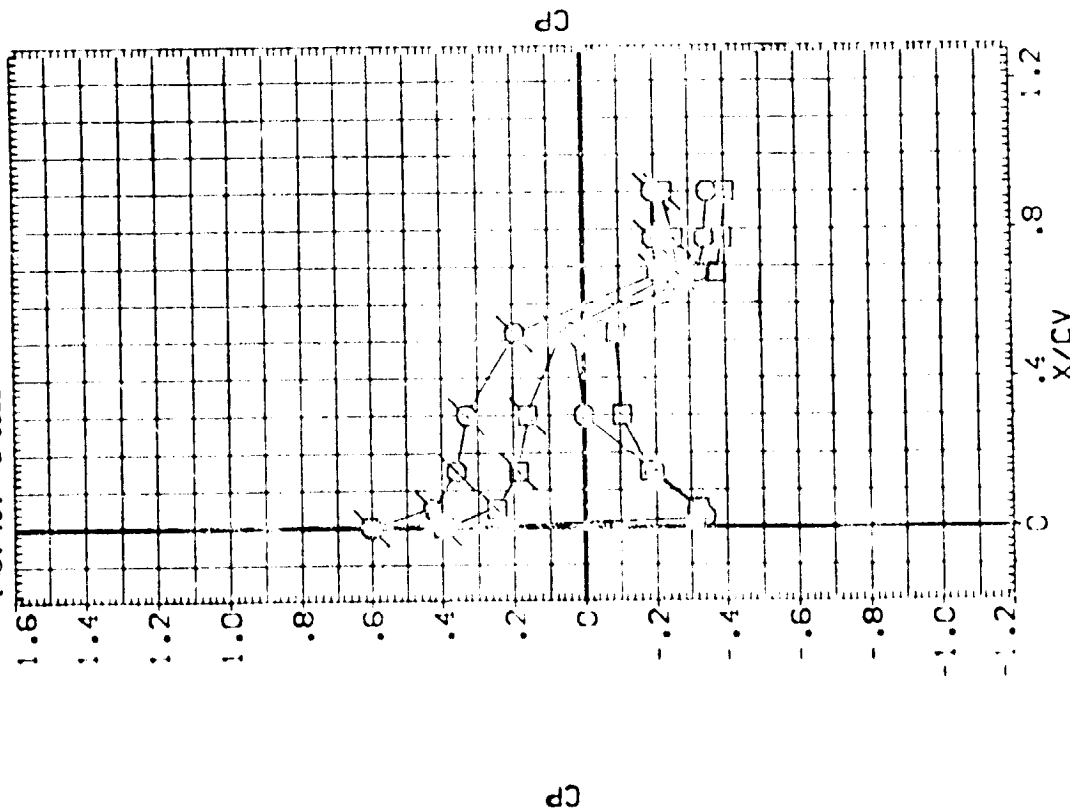
CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

SYMBOL ALPHA  
 O -1.130  
 □ 10.090

Z/BV BETA  
 .600 5.040  
 .840

PARAMETRIC VALUES  
 MACH 1.550 ELEVON .000  
 RUDDER .000 SPDRBK .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RBAV:5) OPEN ARC97-716 CA22 D1  
 (RBAV:5) FLASSED ARC97-716 CA22 D1



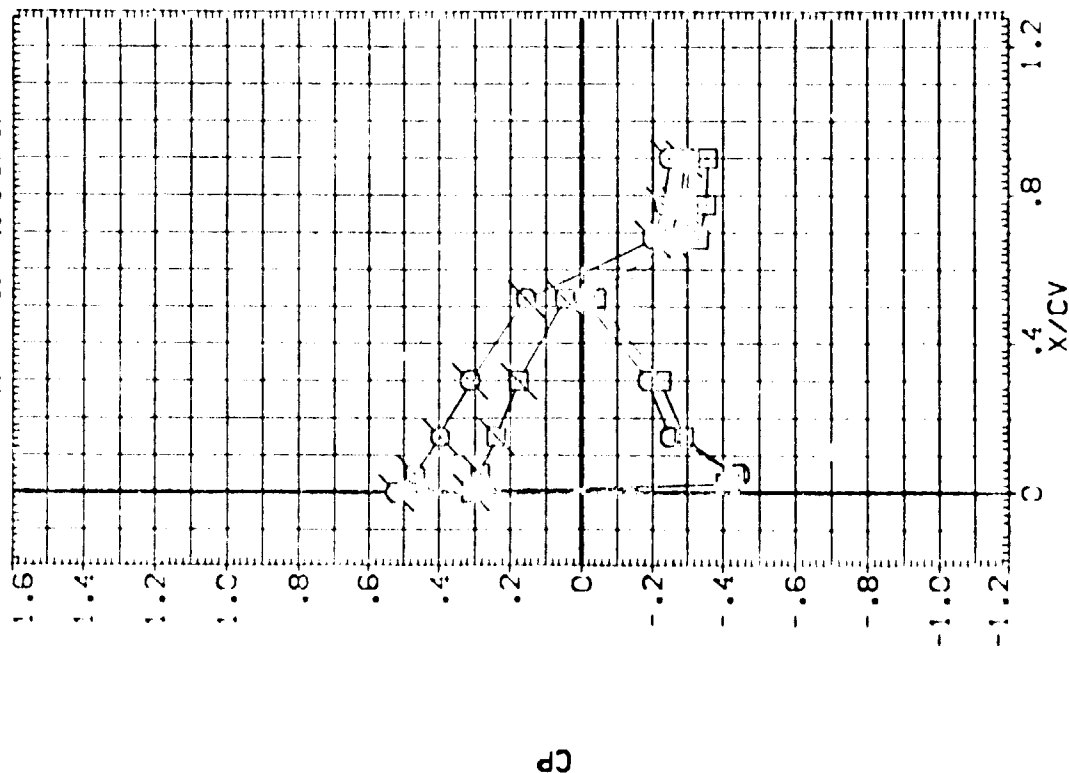
CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

SYMBOL ALPHA Z/BV BETA  
 0 -1.30 .925 5.040  
 10.090

MACH .000  
 RUDDER .000  
 PARAMETRIC VALUES  
 1.550 ELEVON .000  
 9.08RK .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (R04V15) OPEN ARC97-71.6 OA22 Q:  
 (R04R15) FLAGGED ARC97-71.6 OA22 Q:

LEFT VERTICAL  
 RIGHT VERTICAL



CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

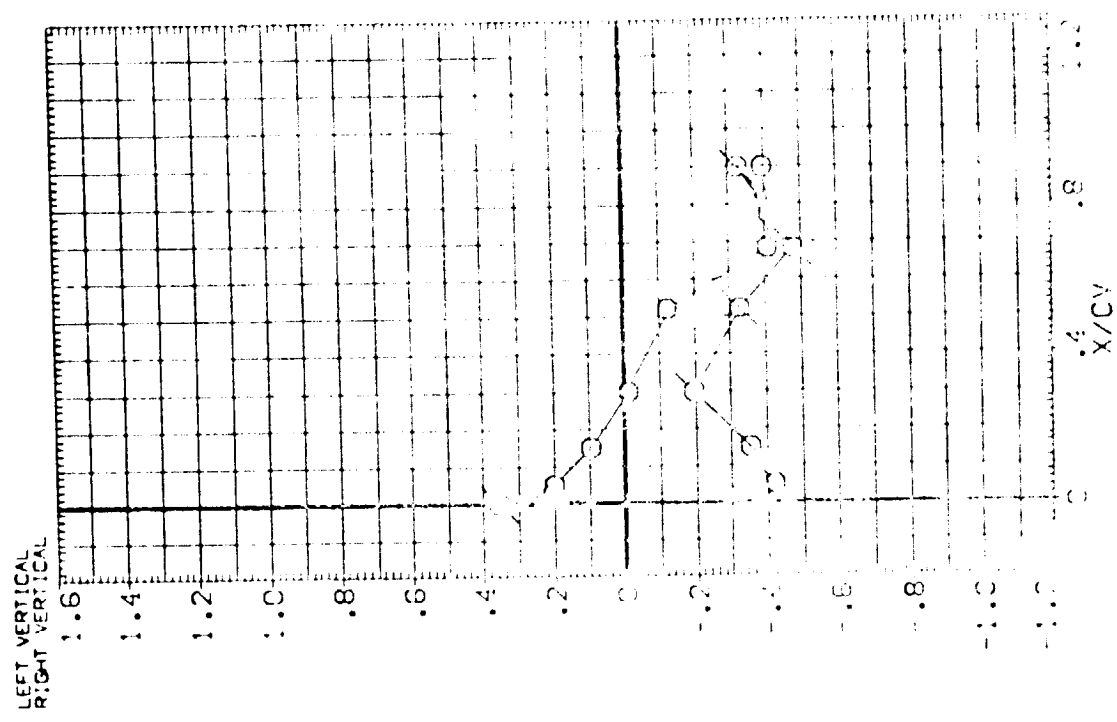
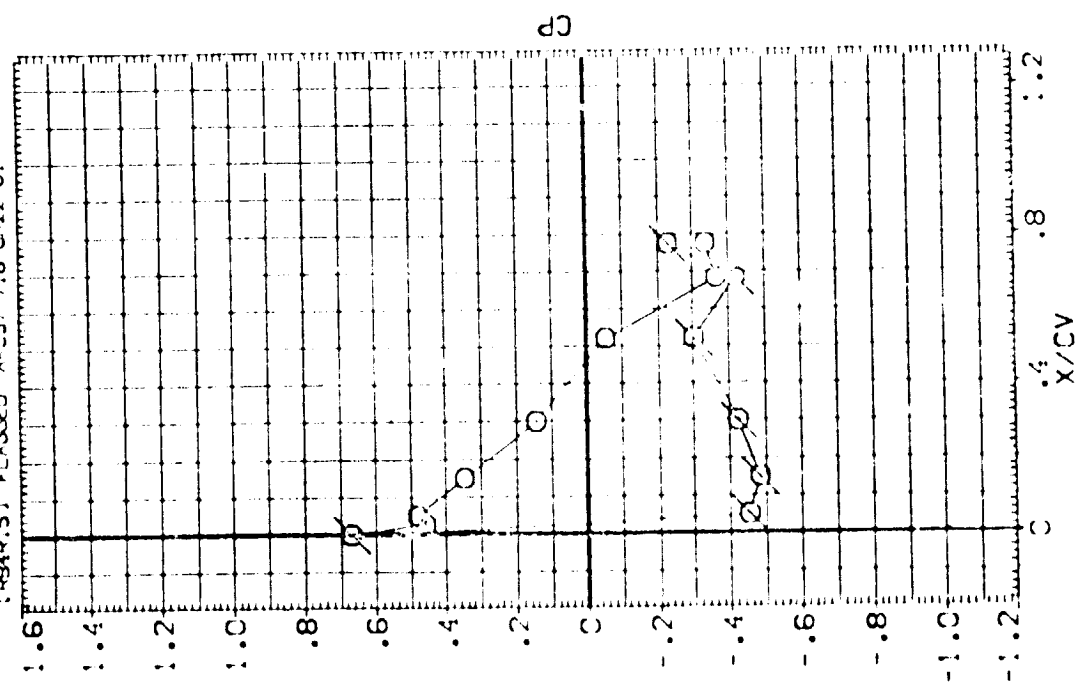
SYMBOL ALPHA 20.370

Z/BV .150  
.316

BETA 5.750

MACH .000  
RUDDER .000  
PARAMETRIC VALUES  
ELEVON 1.550  
SPOILER .000

DATA SET SYMBOL CONFIGURATION OF DESCRIPTION  
[RBAV15] OPEN ARC97-716 CA22 01  
[RBAV15] FLAGGED ARC97-716 CA22 01



CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

SYMBOL  $\bigcirc$

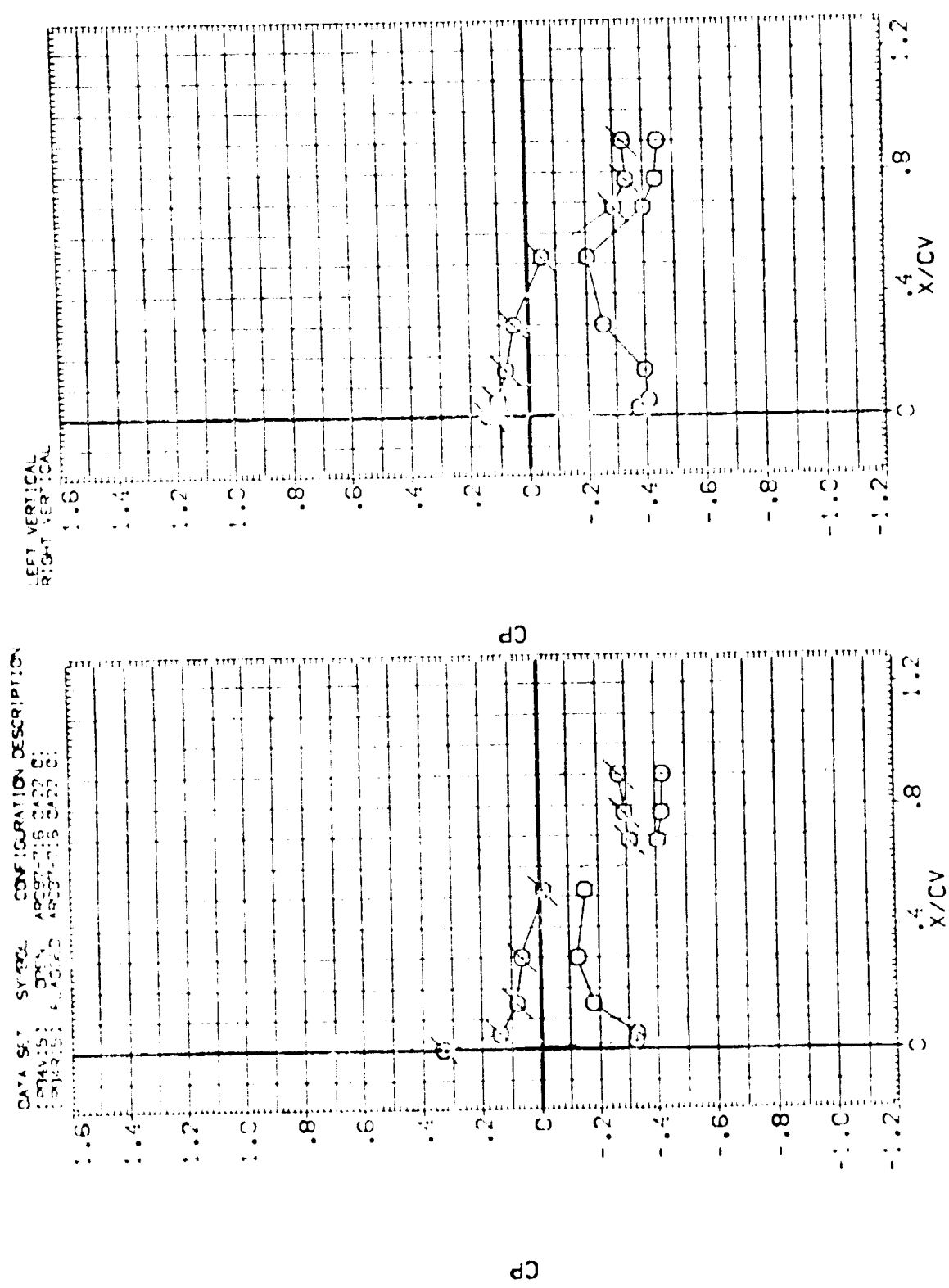
ALPHA 25.320

Z/BV .600  
.84C

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(P) (M) (S) OPEN ABCD-716 CARD 6  
(P) (M) (S) CLOSED ABCD-716 CARD 6

MACH .000  
RUDER

PARAMETRIC VALUES  
1.550 ELEVON  
.000 SPOILER  
.000



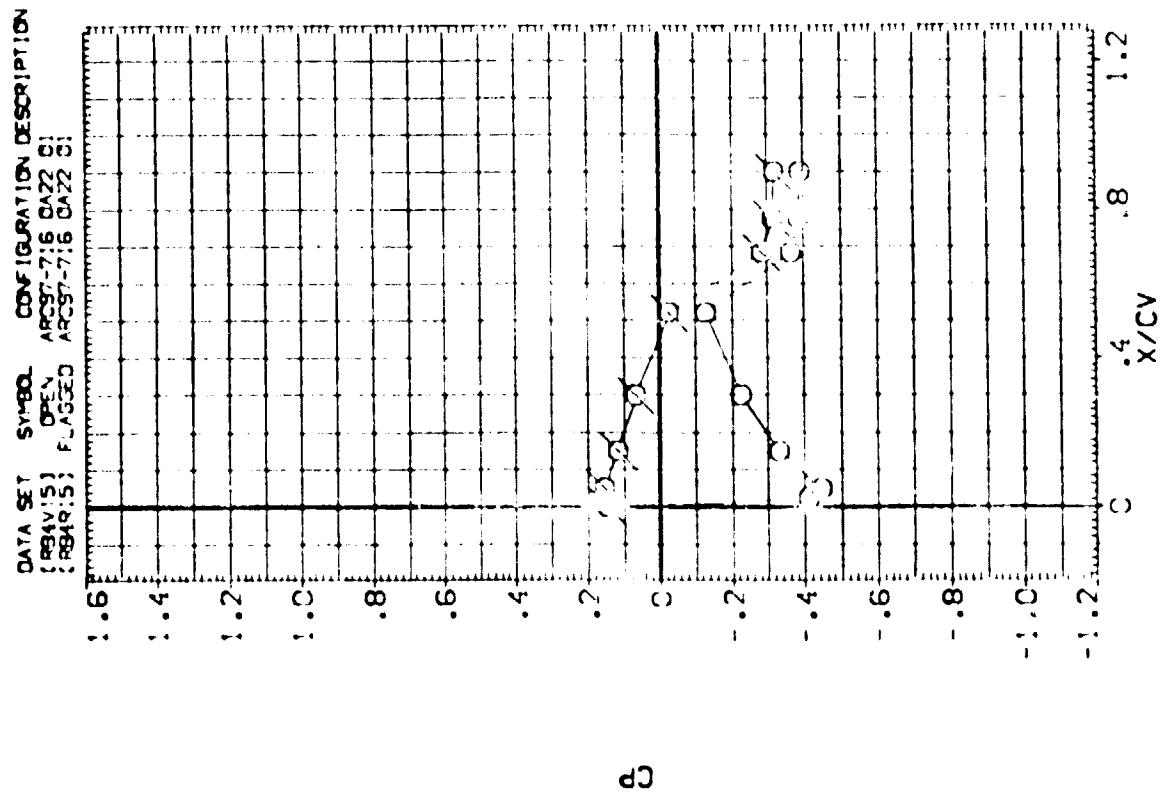
CLOCKWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

MACH  
 RUDDER

PARAMETRIC VALUES  
 1.550  
 .000  
 ELEVON  
 SPOILER  
 .000  
 .000

SYMBOL ALPHA Z/BV BETA  
 O 20.320 .925 5.250

LEFT VERTICAL  
 RIGHT VERTICAL

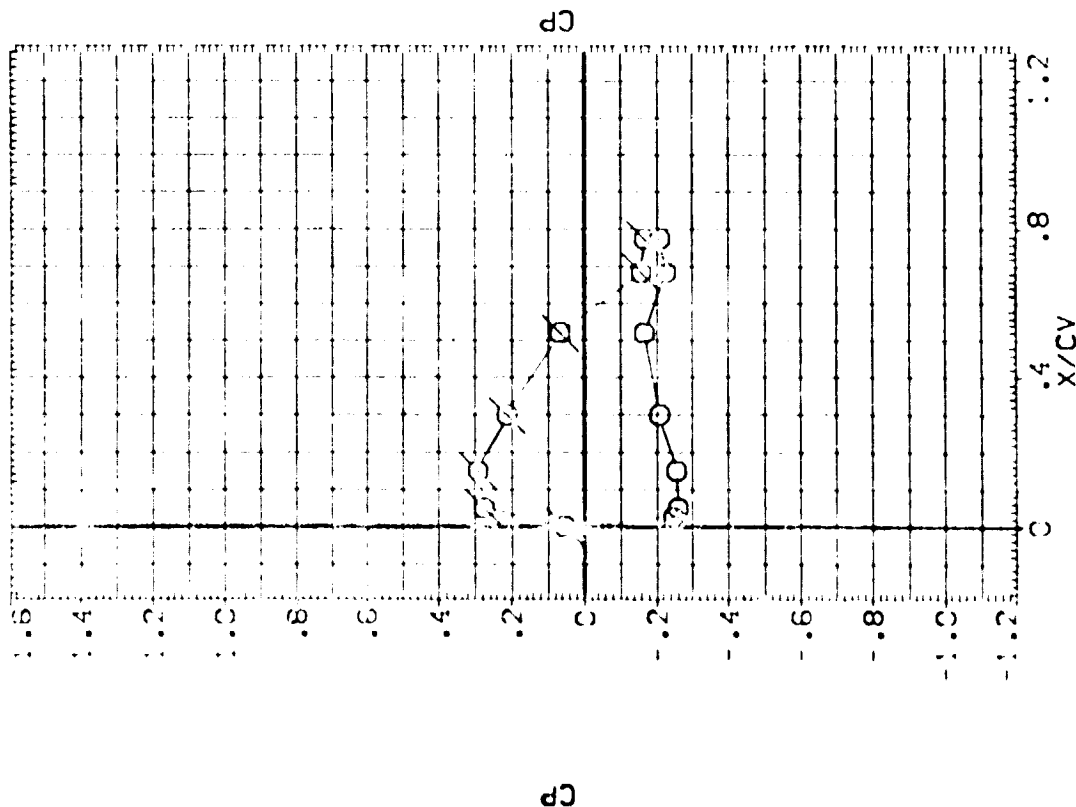


# CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

PARAMETRIC VALUES  
 MACH 2.000 ELEVON .000  
 RUDDER .000 SP.380

ALPHA 20.390  
 Z/SR 1.58  
 BETA 6.170  
 3.16

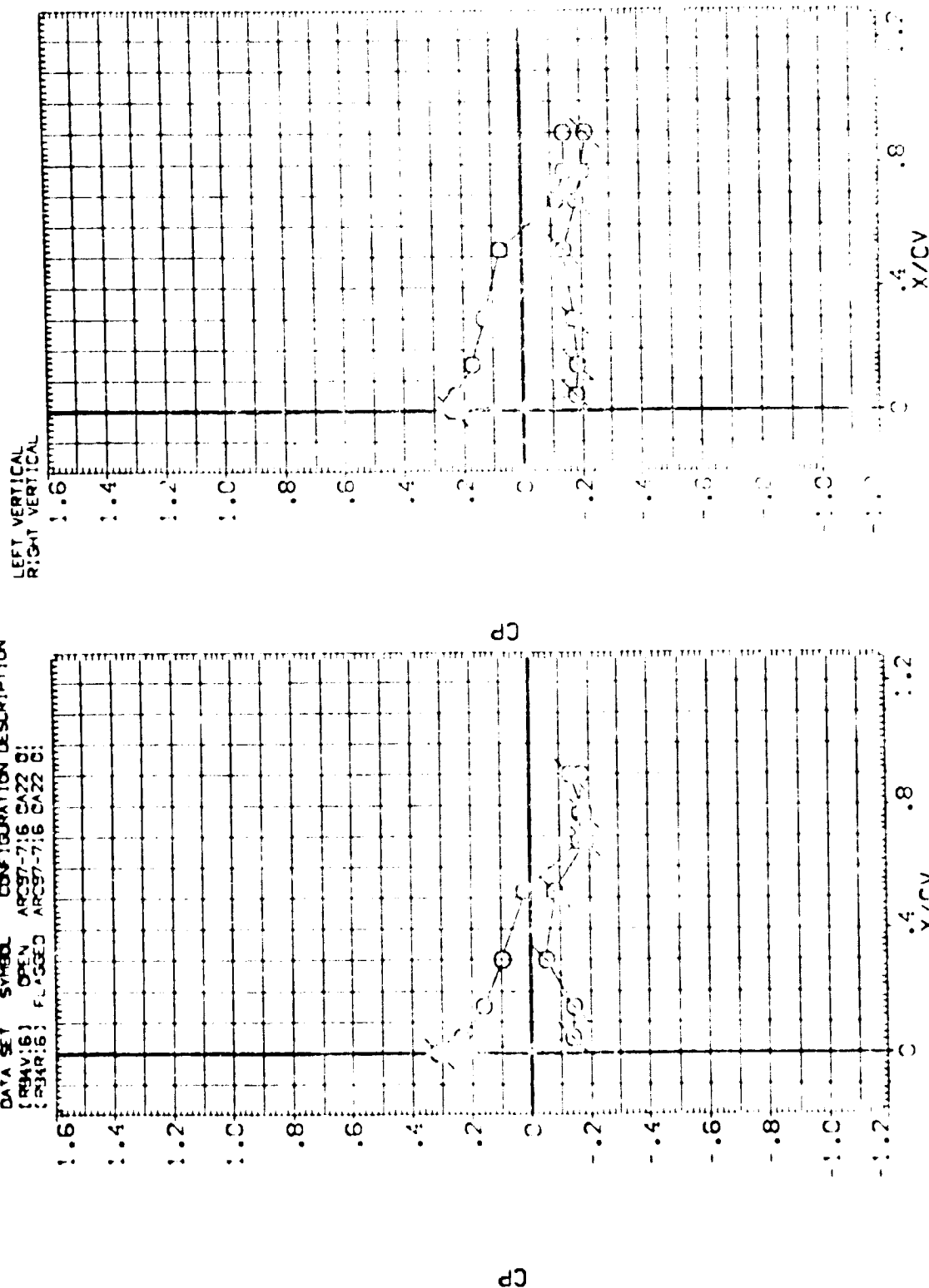
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (00416) 00416 ARCG-716 CA22 C:  
 (00416) 00416 ARCG-716 CA22 C:



CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

SYMBOL  $\alpha$  ALPHA 70.390 Z/BV .600 BETA -6.170  
 MACH RUDDER .000 ELEVON .000  
 PARAMETRIC VALUES

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (REAR:6) OPEN ARC97-7:6 CA22 G:  
 (FRONT:6) FLAGGED ARC97-7:6 CA22 G:



CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES



SYMBOL  $\alpha$  20.350

Z/BV .975

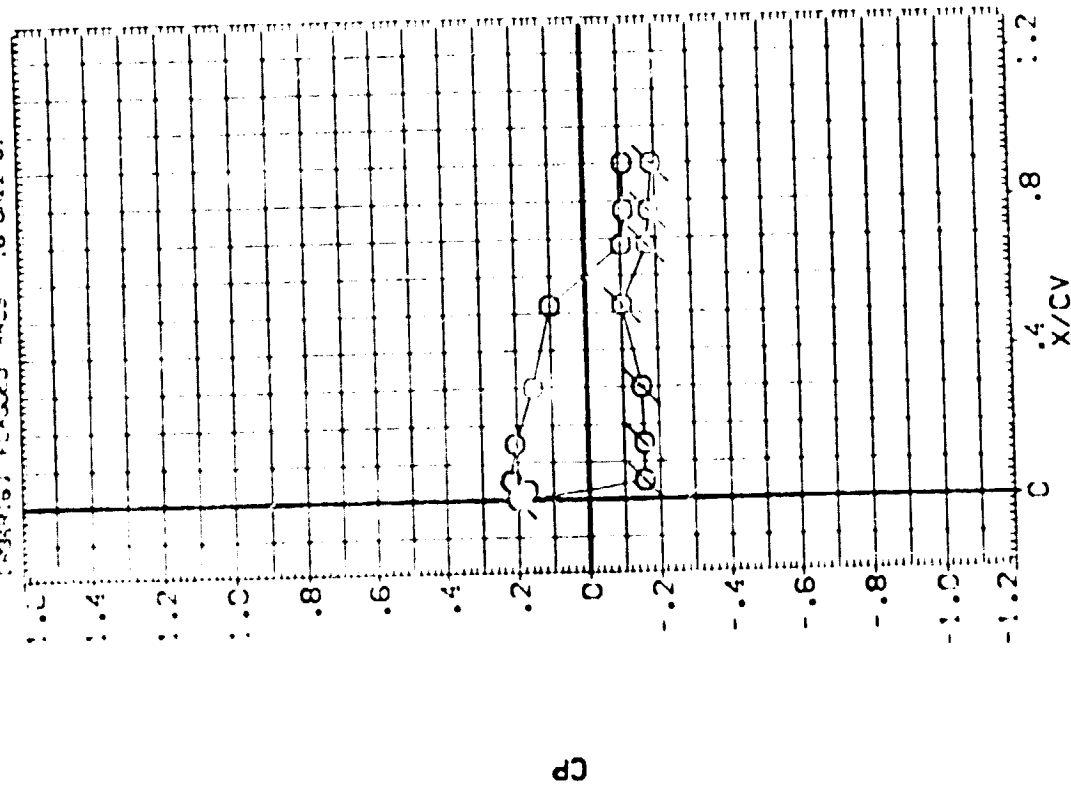
BETA -6.170

MACH 2.200  
RUDDER .000

PARAMETRIC VALUES  
ELEVON .000  
SPOILER .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
REAR: 16 OPEN ARCS: 16 0A22 C1  
REAR: 16 FLANGED ARCS: 16 0A22 C1

LEFT VERTICAL  
RIGHT VERTICAL

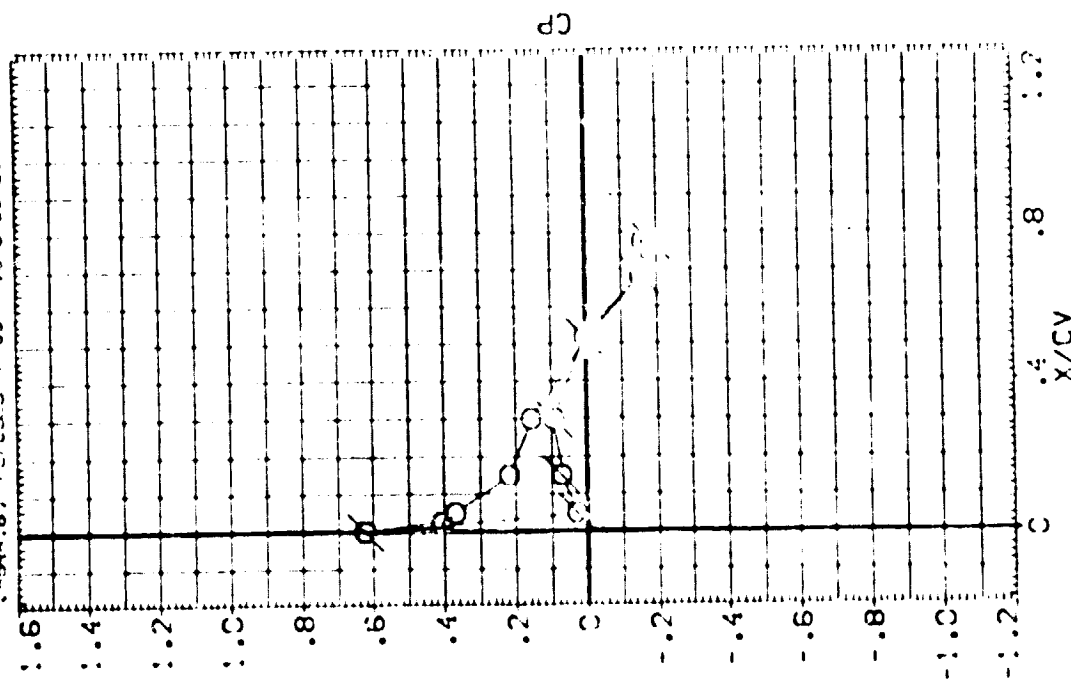
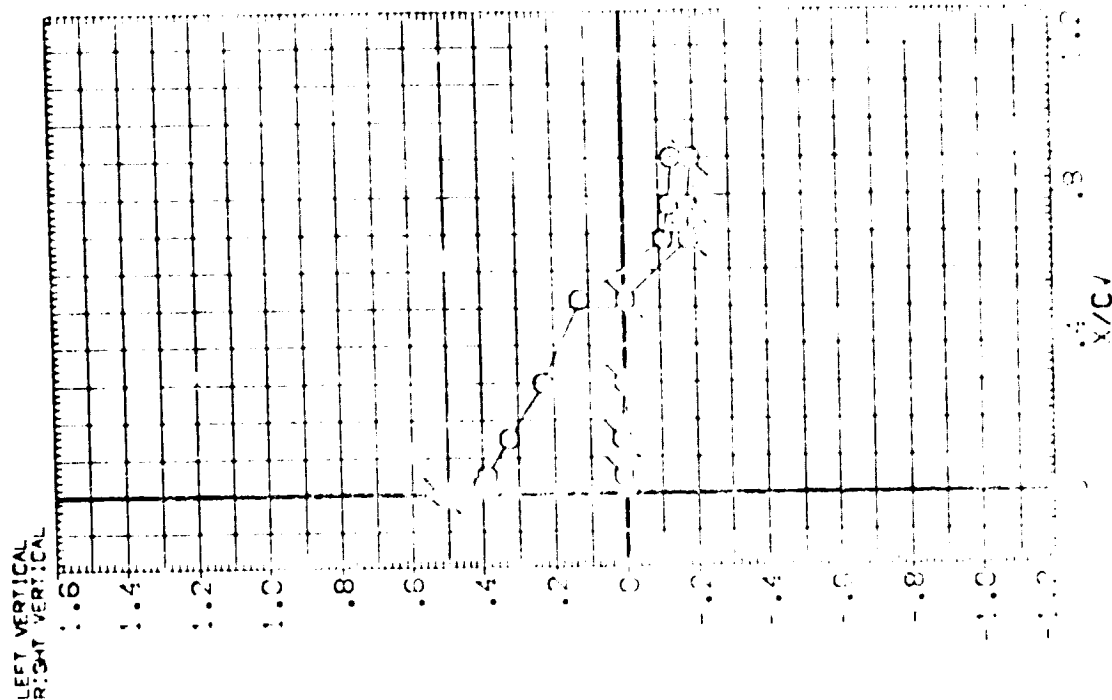


CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

PARAMETRIC VALUES  
 MACH 2.200 ELEVON .000  
 RUDDER .000 SPEEDK .000

SYMBOL ALPHA Z/BV BETA  
 O 10.120 .150 -5.910  
 .316

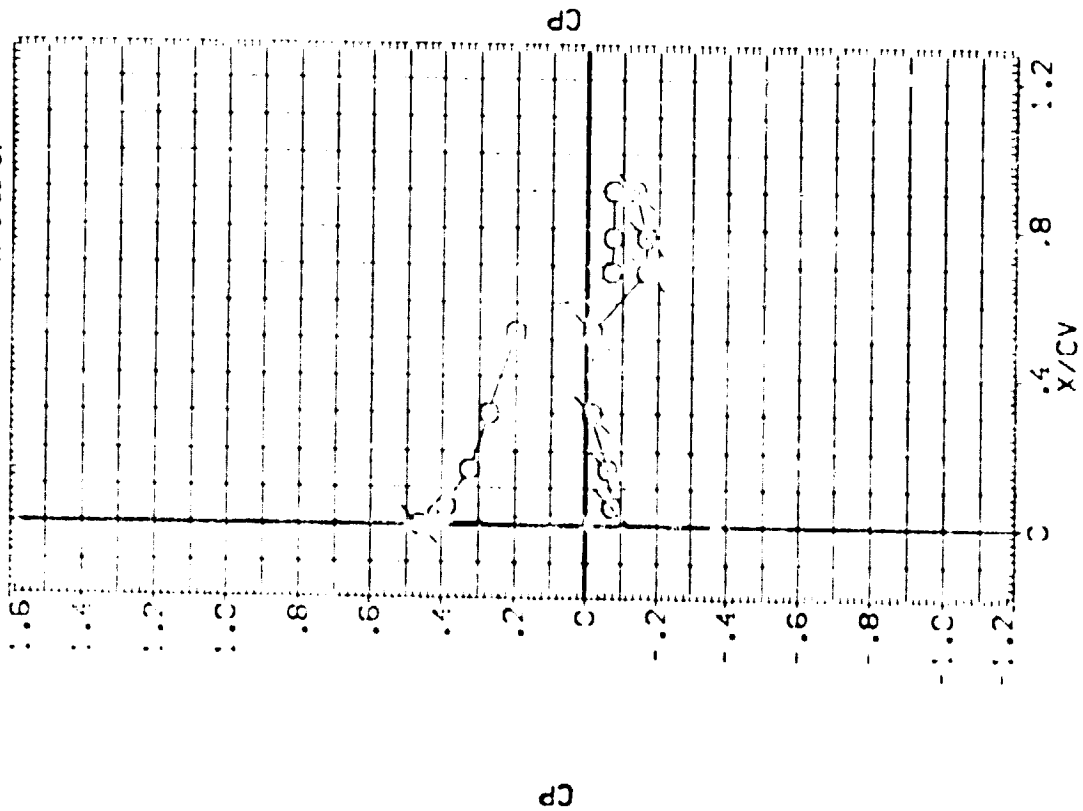
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (FRONT) 6 DPA ARC 7-11.6 2422 9:  
 (REAR) 6 FLAC 7-11.6 2422 9:



CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

SYMBD ALPHA Z BY BETA  
 O 10.170 .600 -5.810  
 .840

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 [001] [6] OPEN ARROW-115 0422 8:  
 [002] [6] FLACED ARROW-115 0422 8:



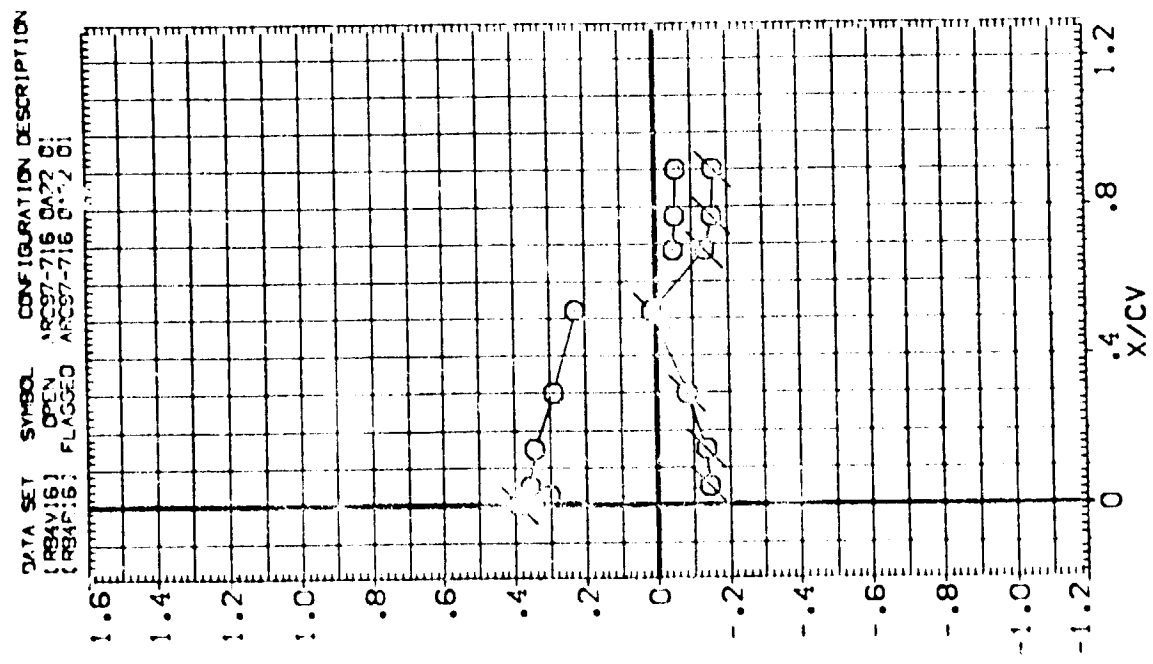
CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

PARAMETRIC VALUES  
 2.200 ELEVON  
 .000 SPOILER

MACH  
 RUDDER

SYMBOL ALPHA Z/BV BETA  
 O 10.120 .925 -5.810

LEFT VERTICAL  
 RIGHT VERTICAL



CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

SYMBOL ALPHA -1.20

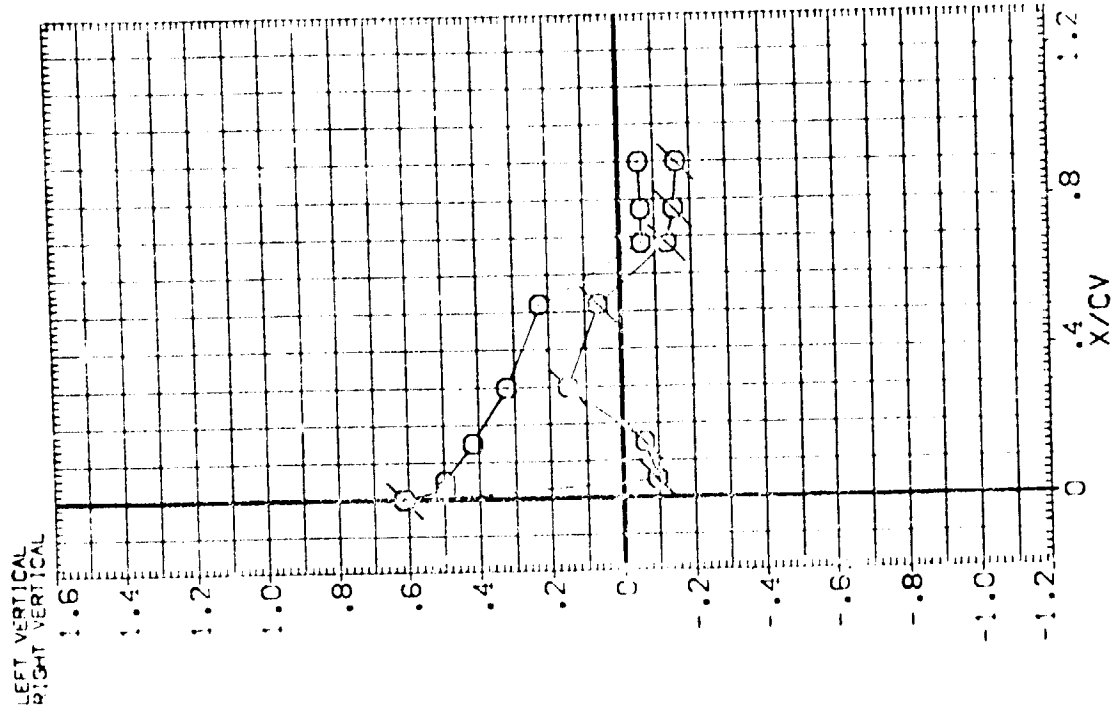
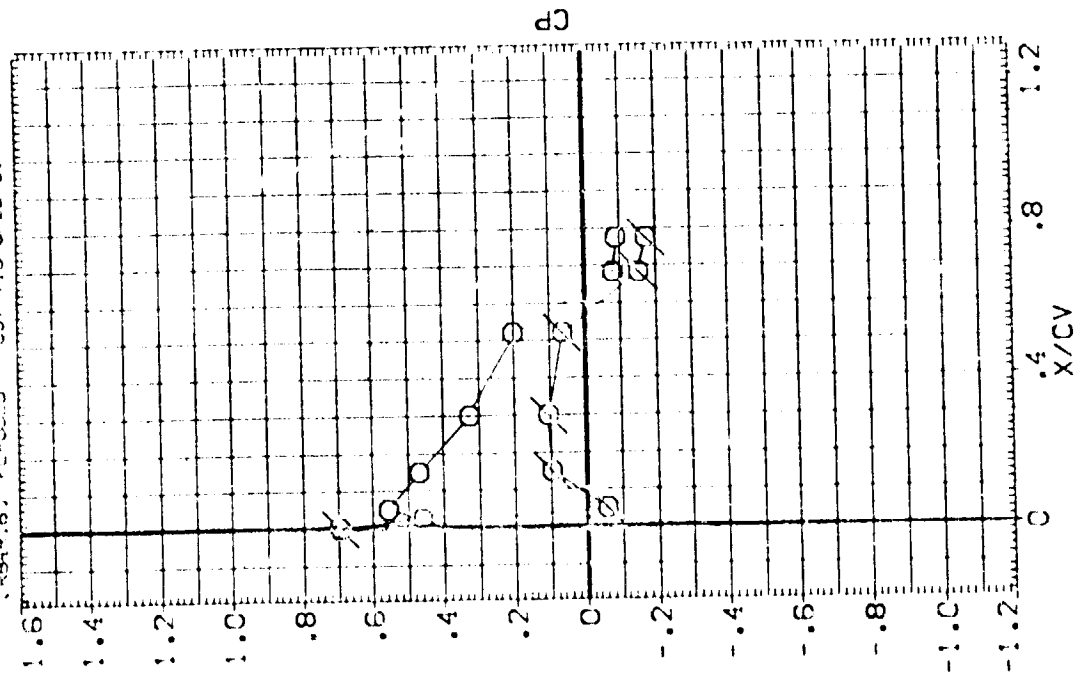
Z/BV .158  
.316

BETA -4.980

MACH  
RUDDER

PARAMETRIC VALUES  
2.200 ELEVON  
.000 SPOILER  
.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(084V1.5) OPEN ARC97-7:5 CA22 C:  
(084P1.5) FLAGGED ARC97-7:5 CA22 C:

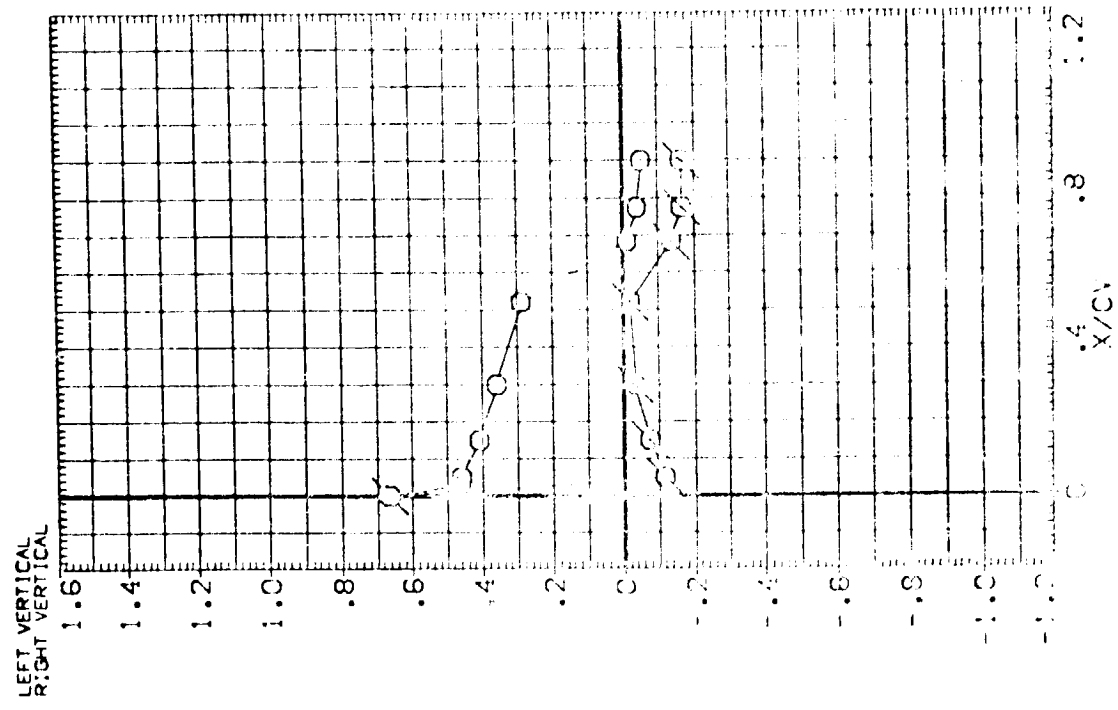
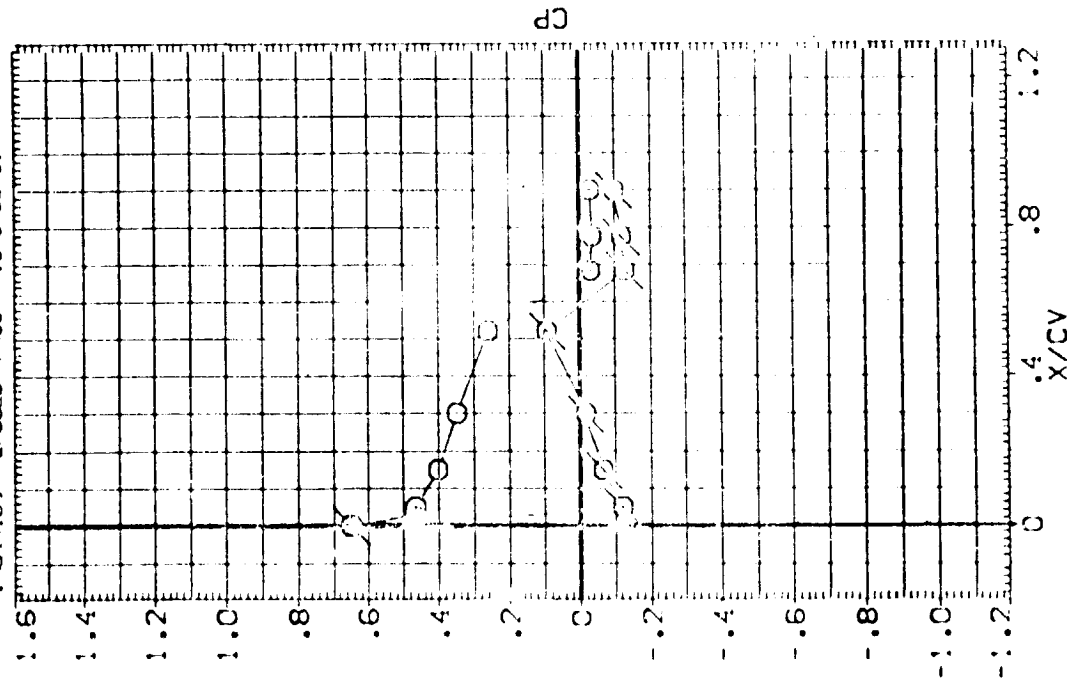


SYMBOL ALPHA Z/BV BETA  
 O -0.120 .600 -4.980

MACH  
 RUDDER

PARAMETRIC VALUES  
 2.200 ELEVON  
 .000 SPOILER  
 .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RBA1V16) OPEN ARCS7-7:6 CA22 C1  
 (RBA1V16) FLAGGED ARCS7-7:6 CA22 C1



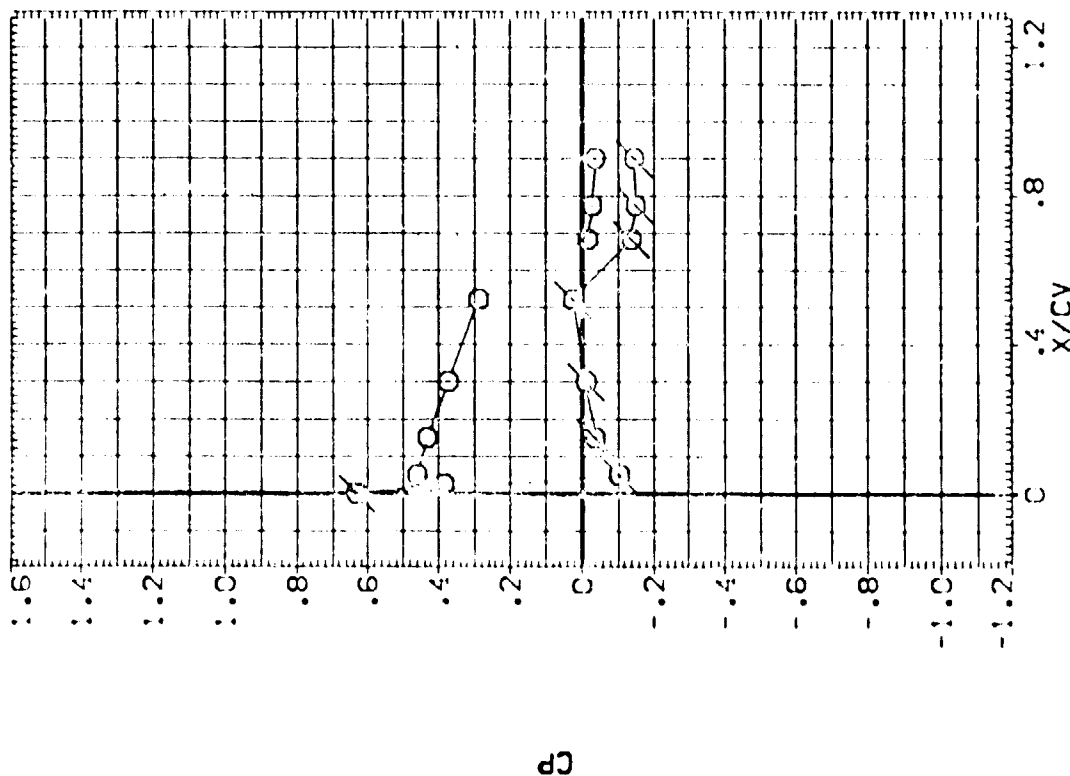
CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

PARAMETRIC VALUES  
MACH 2.200 ELEVON .000  
RUDDER .000 SPOILER .000

SYMBOL ALPHA Z/BV BETA  
O -1.20 .975 -1.980

LEFT VERTICAL  
RIGHT VERTICAL

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
P84V16: OPEN ARC97-716 CA22 0:  
P84V16: FLAGGED ARC97-716 CA22 0:

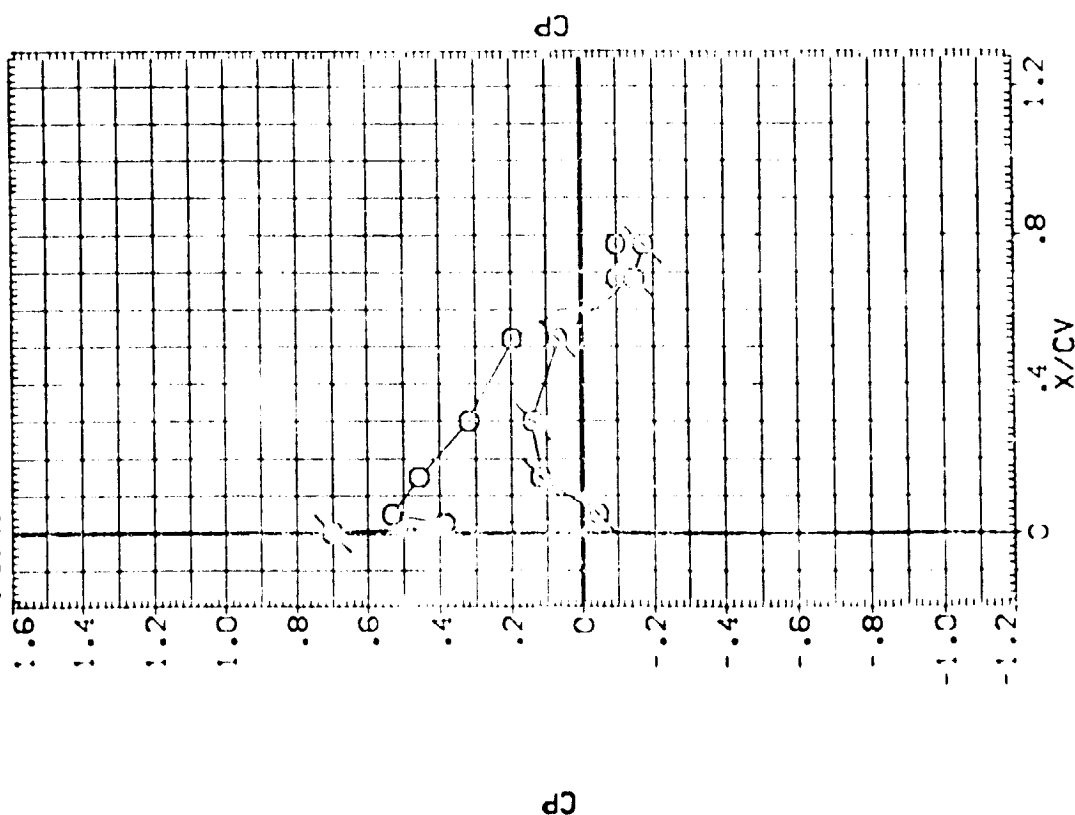
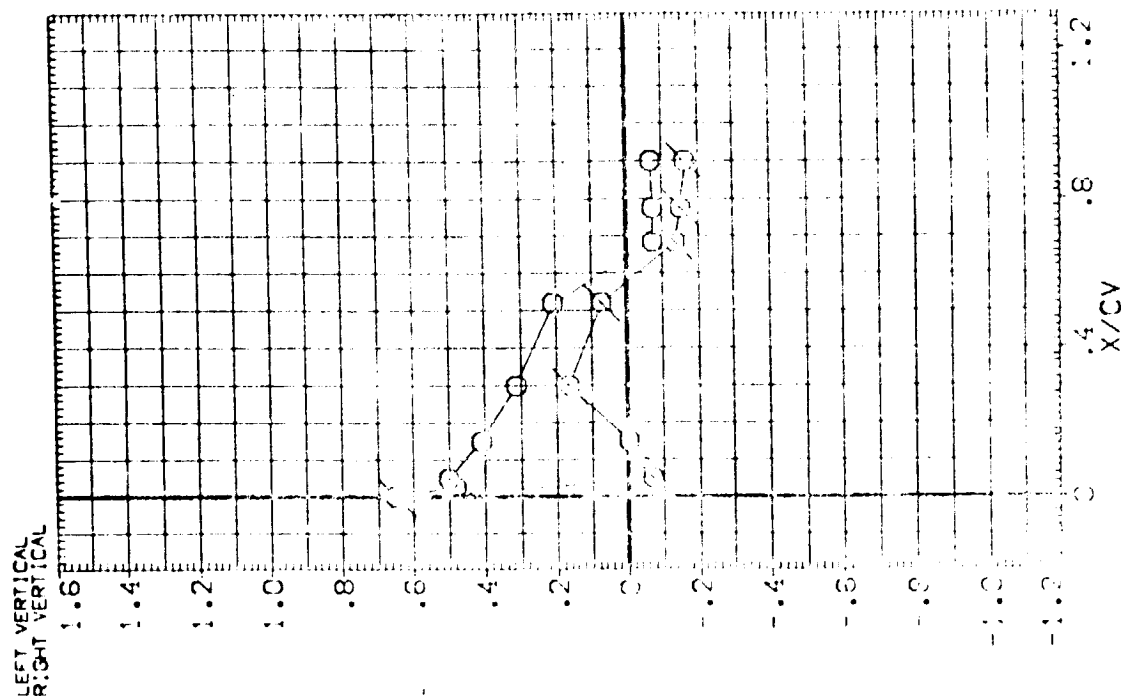


CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

PARAMETRIC VALUES  
 MACH 2.200 ELEVON .000  
 RUDDER .000 SPOBRK .000

SYMBOL  $\alpha_{PWA}$  Z/BV BETA  
 C -1.70 .158 -4.300  
 .316

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (PBAY:6) OPEN ARC97-716 CA22 C:  
 (RBAY:6) FLAPPED ARC97-716 CA22 C:



CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES



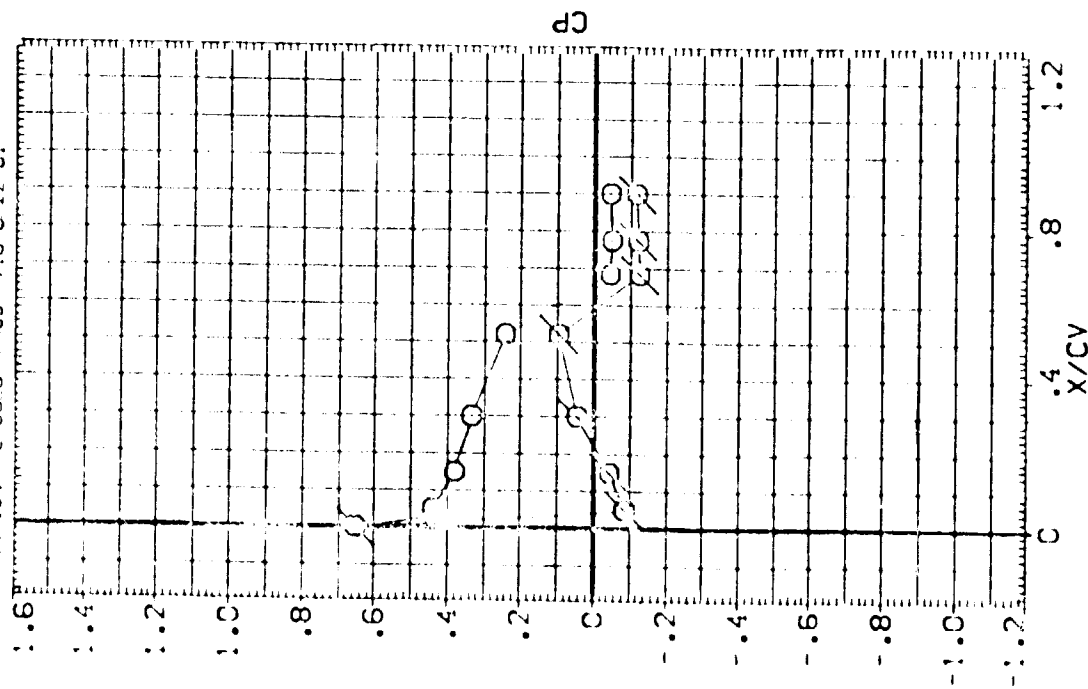
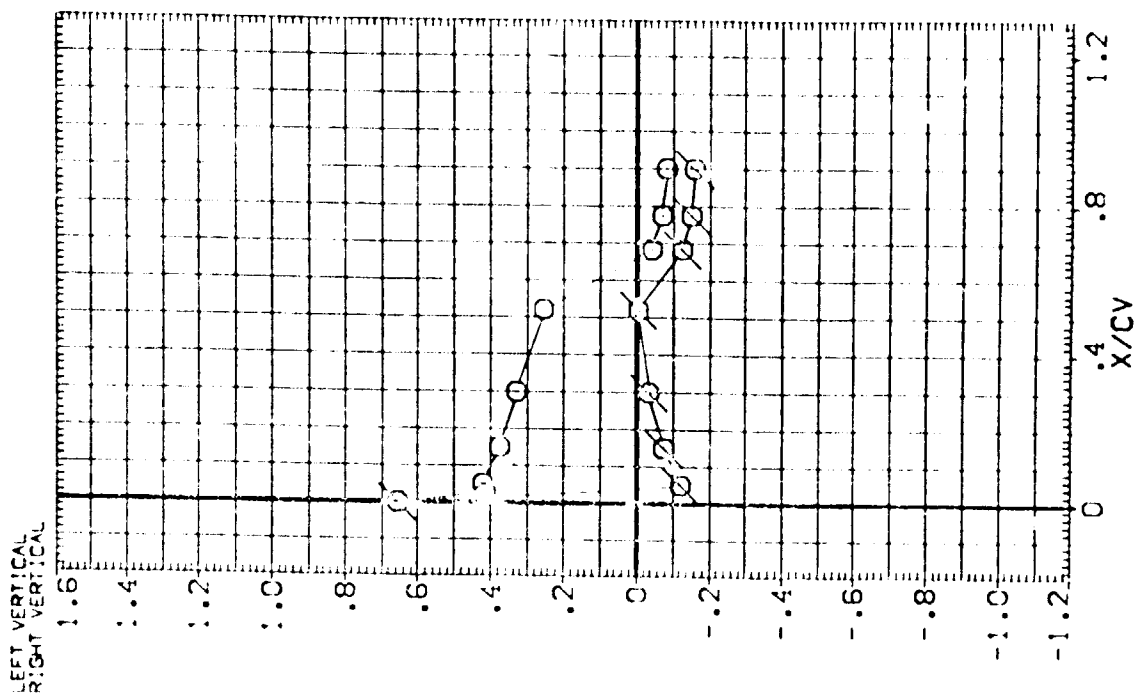
SYMBOL ALPHA 2.81

BETA .600

BETA .840

PARAMETRIC VALUES  
MACH 2.200  
ELEVON .000  
FLUOR .000

2. (A SET SYMBOL CONFIGURATION DESCRIPTION  
(994V15) COIN ANGLE 15 DAZZ 0;  
(994V16) FLACED ANGLE 15 DAZZ 0;

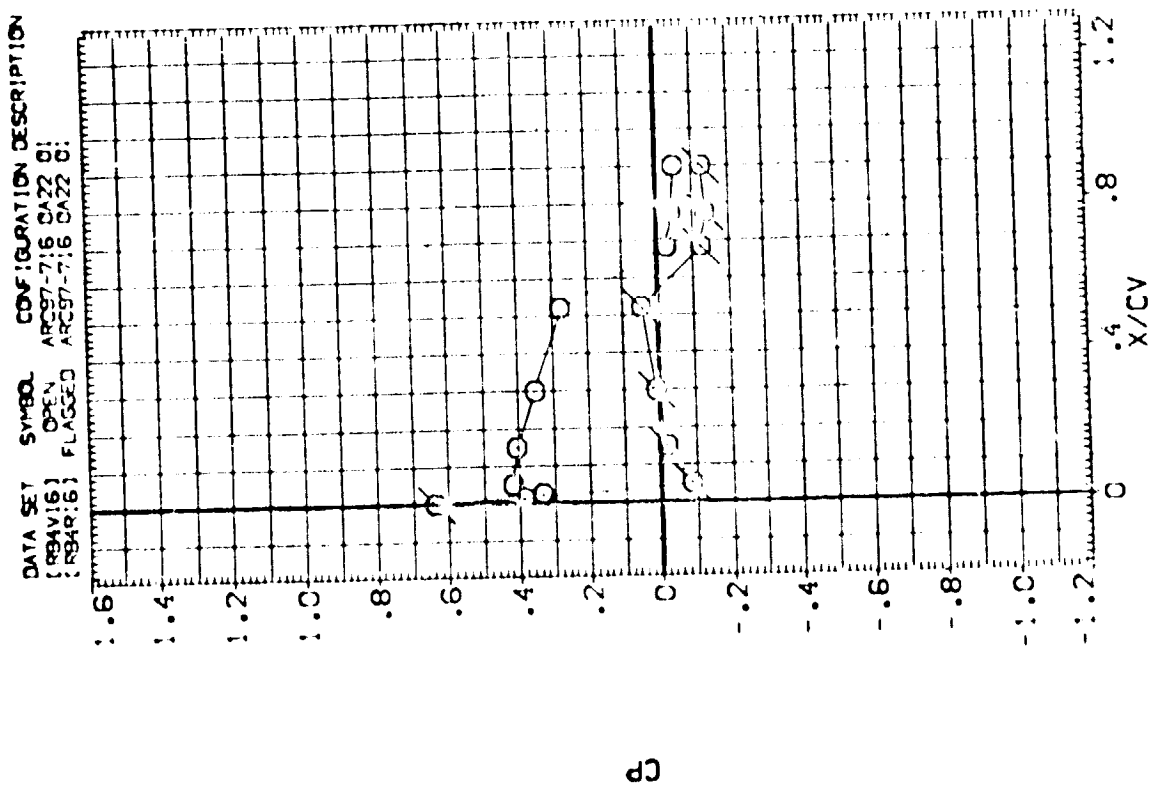


CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

PARAMETRIC VALUES  
 MACH 2.200 ELEVON .000  
 RUDDER .000

SYMBOL ALPHA Z/BV BEYA  
 O -1.170 .925 -4.300

LEFT VERTICAL  
 RIGHT VERTICAL



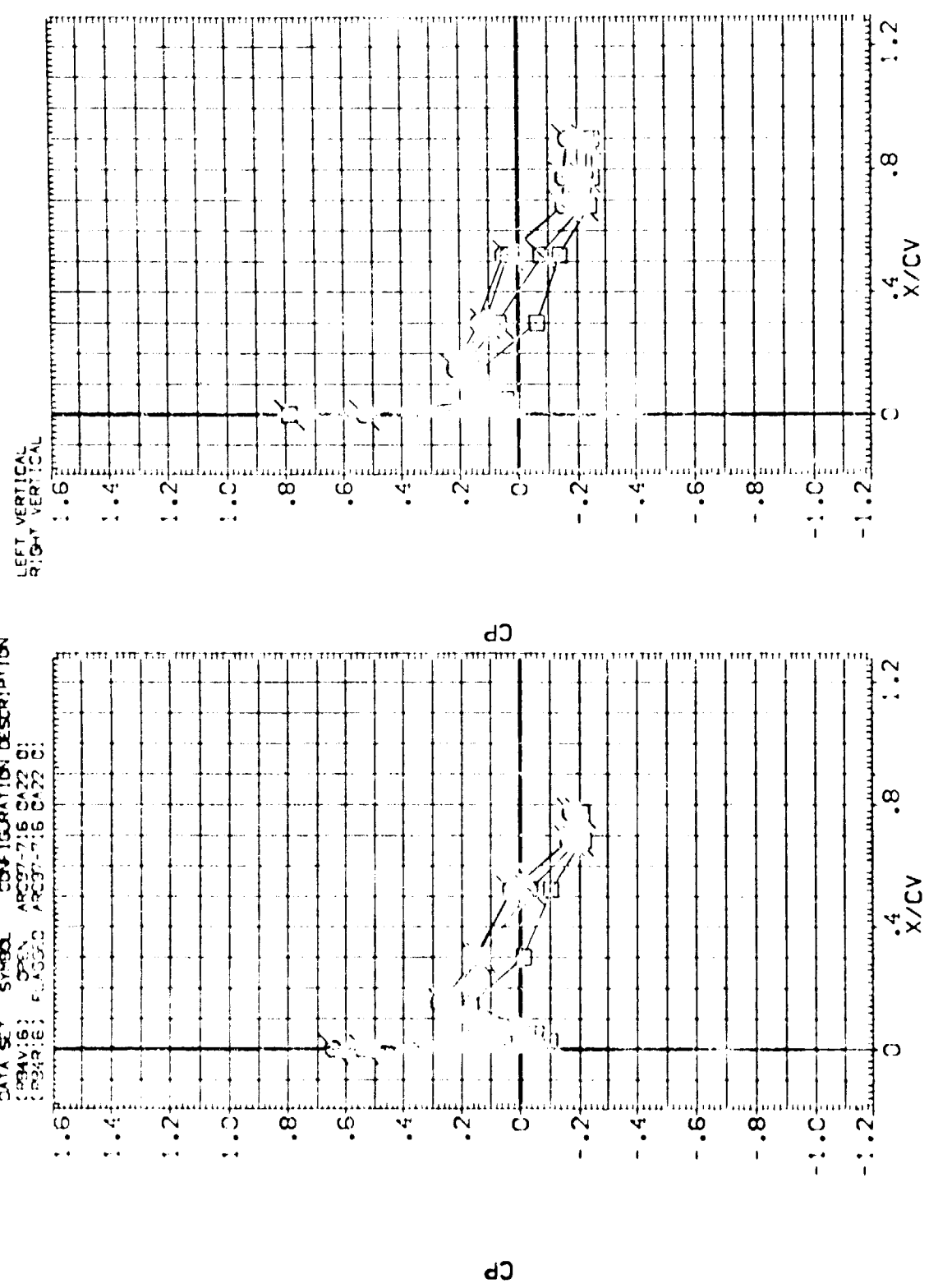
CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES  
 PAGE 122

SYMBOL ALPHA Z/BY BETA  
 10.120 .158  
 20.380 .316

MACH 2.000  
 RUDDER .000

PARAMETRIC VALUES  
 2.000 ELEVON  
 .000 SPOILER

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (R34V) (6) OPEN ARC37-7:6 CA22 B:  
 (R34R) (6) FLAGGED ARC37-7:6 CA22 C:

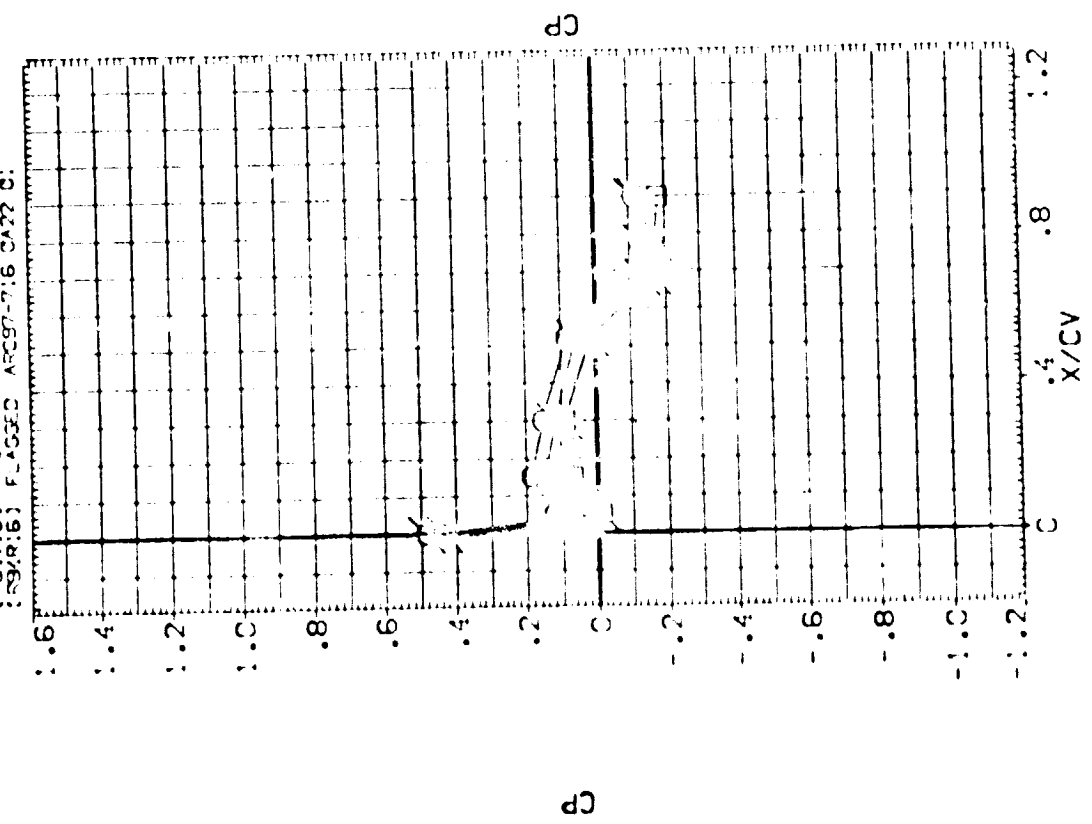
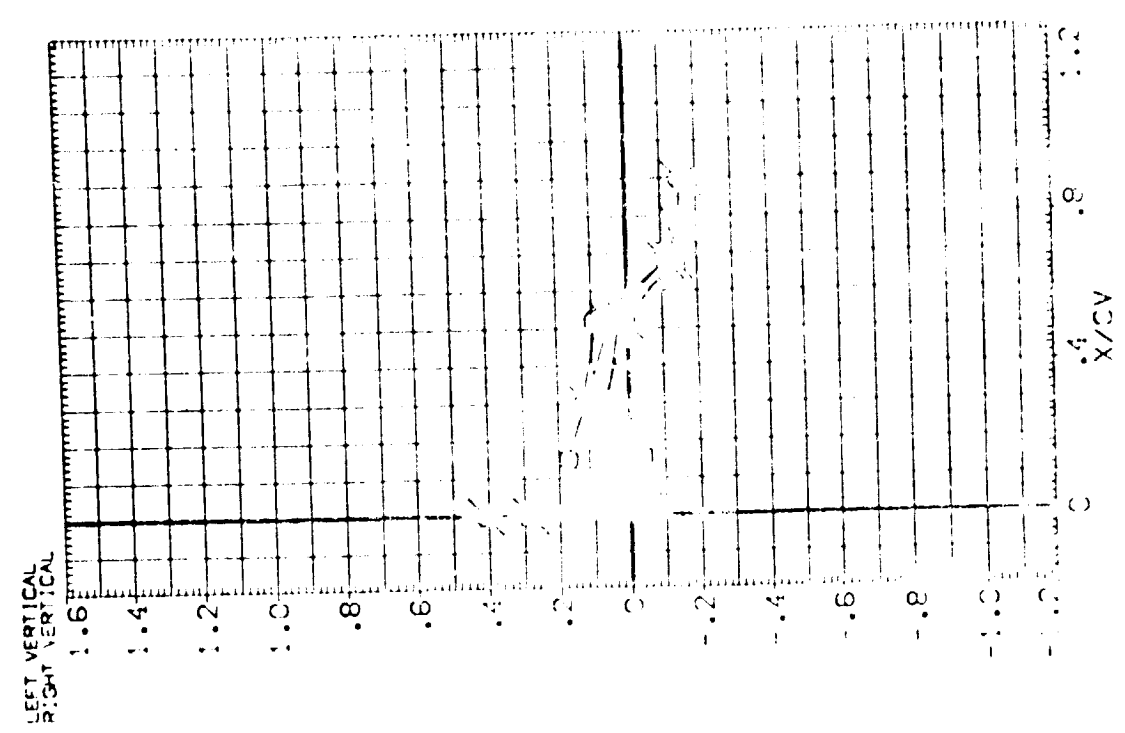


CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

PARAMETRIC VALUES  
 MACH 2.200 ELEVON .000  
 RUDDER .000

SYMBOL ALPHA Z/BV BETA  
 15.170 .600 -.760  
 20.390 .840

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RBAV:6) OPEN ARC97-716 CA22 C:  
 (RBAV:6) FLAGGED ARC97-716 CA22 C:

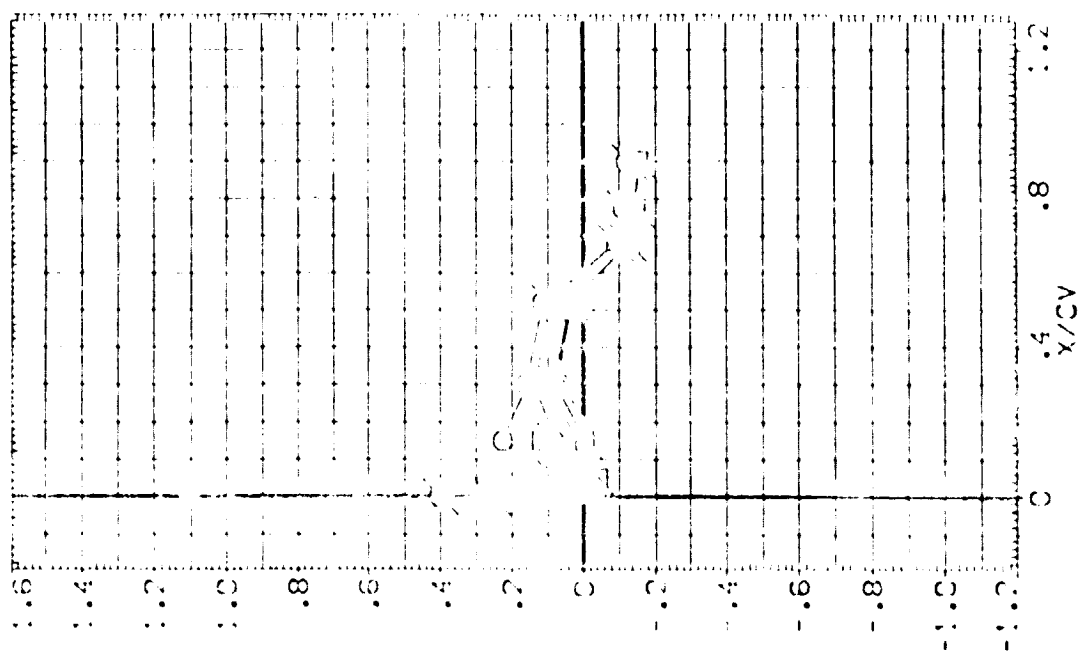


CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

SYMBOL ALPHA Z BETA  
 00 10.120 0.000 1.000  
 01 20.390

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 00000000 00000000 00000000 00000000  
 00000000 00000000 00000000 00000000

LEFT VERTICAL  
 RIGHT VERTICAL



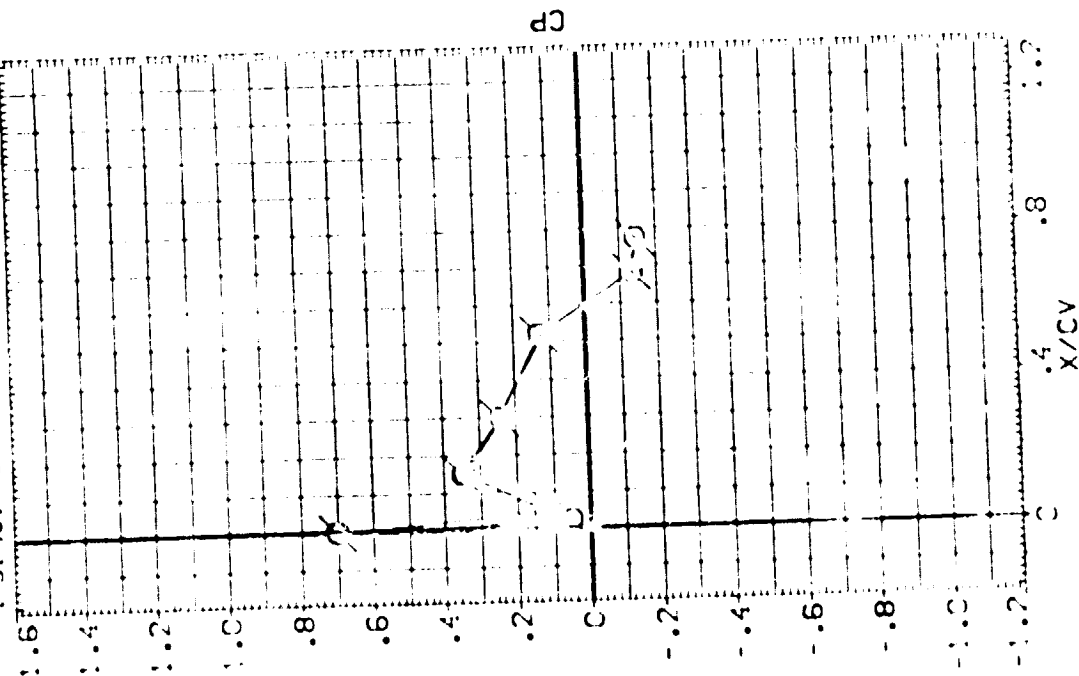
CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

SYMBOL ALPHA  
O -1.120

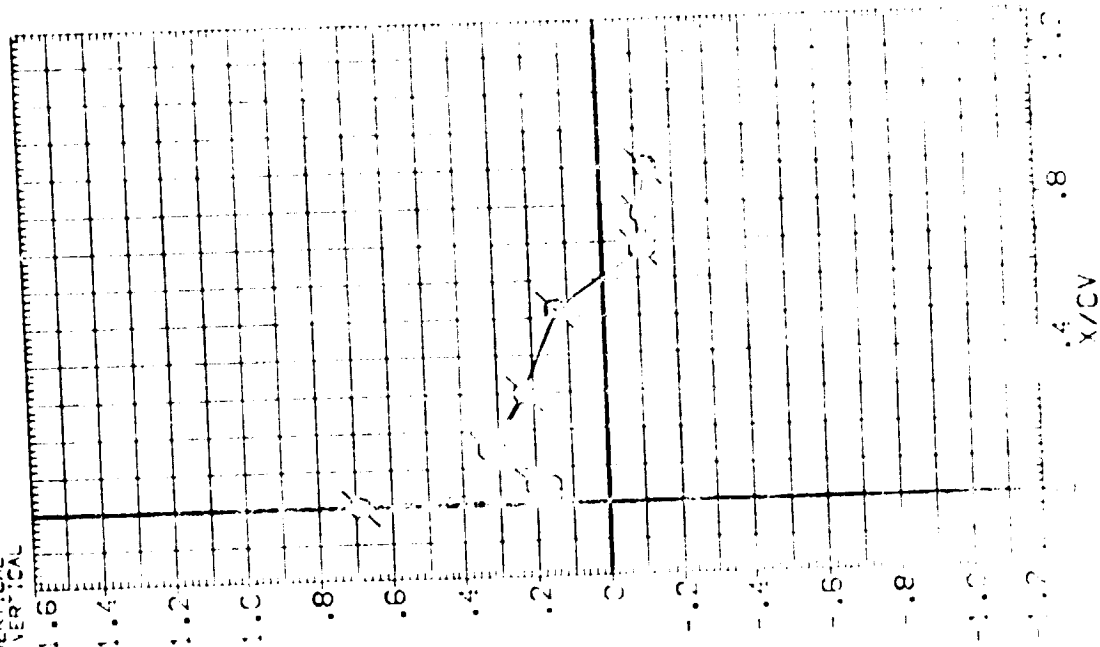
Z/BV BETA  
.150 -.080  
.316

PARAMETRIC VALUES  
MACH 2.000 ELEVATION .000  
RUDDER .000 SPEED .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
[RBAV] 6 OPEN A080-716 CA22 D1  
[RBAV] 6 FLASCO A080-716 CA22 C1



LEFT VERTICAL  
RIGHT VERTICAL



CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES  
PAGE 26

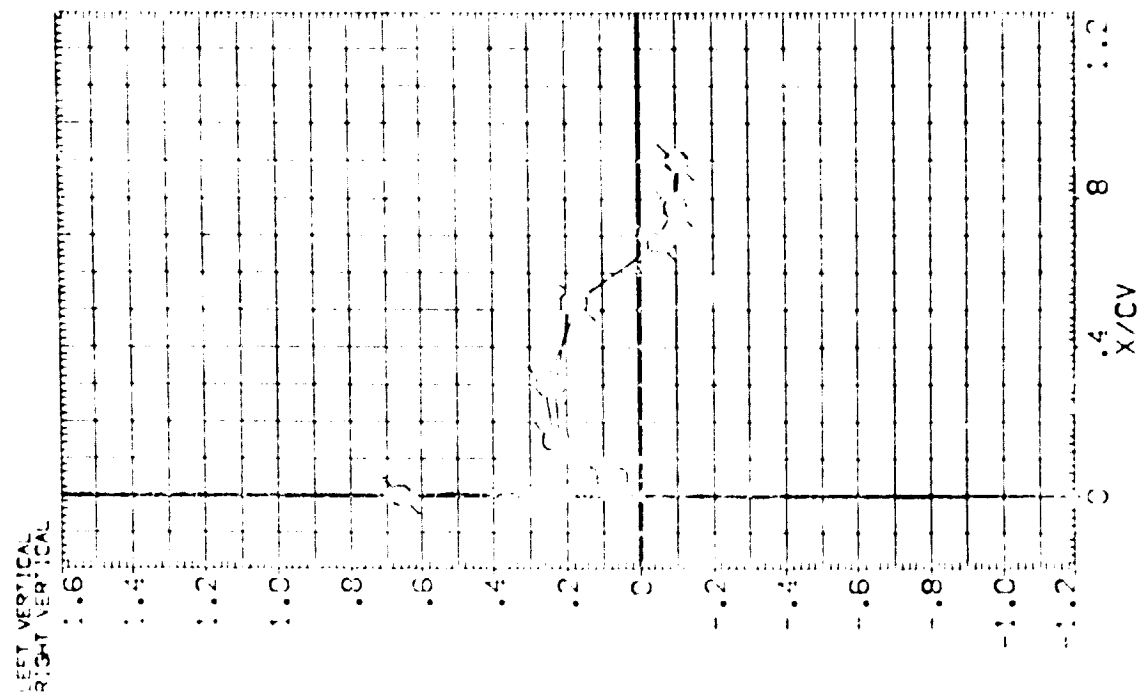
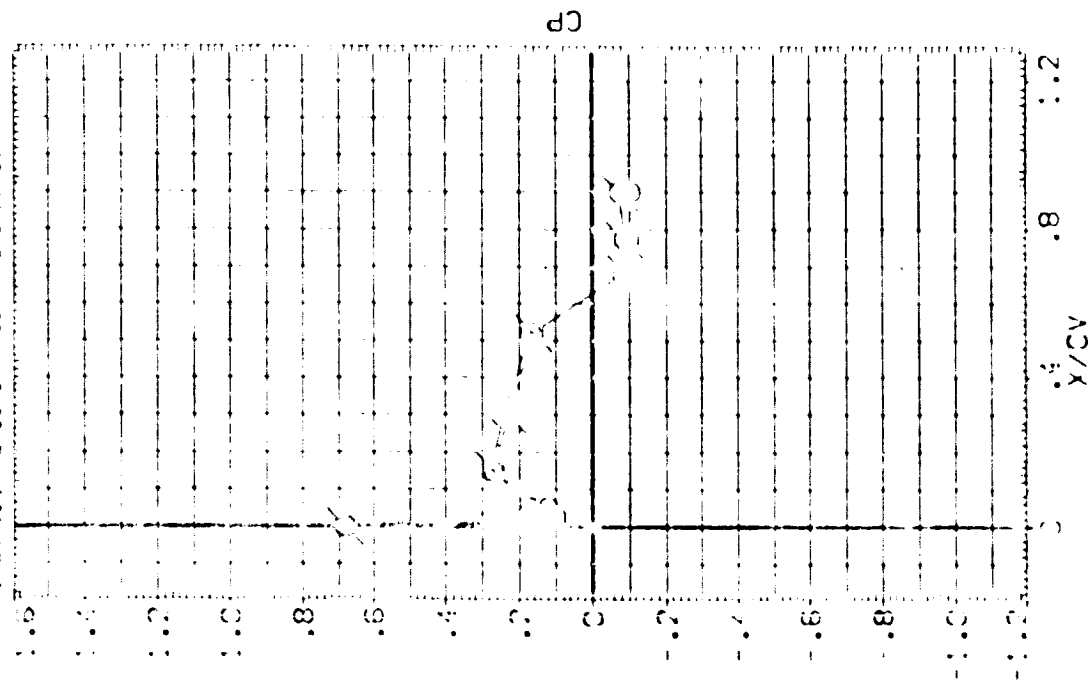


SYMBOL ALPHA 2/87 3/74  
 0 -1.170 .600 .080  
 .840

MACH  
 RUDDER

PARAMETRIC VALUES  
 2.200 ELEVON  
 .000 SPOILER  
 .000

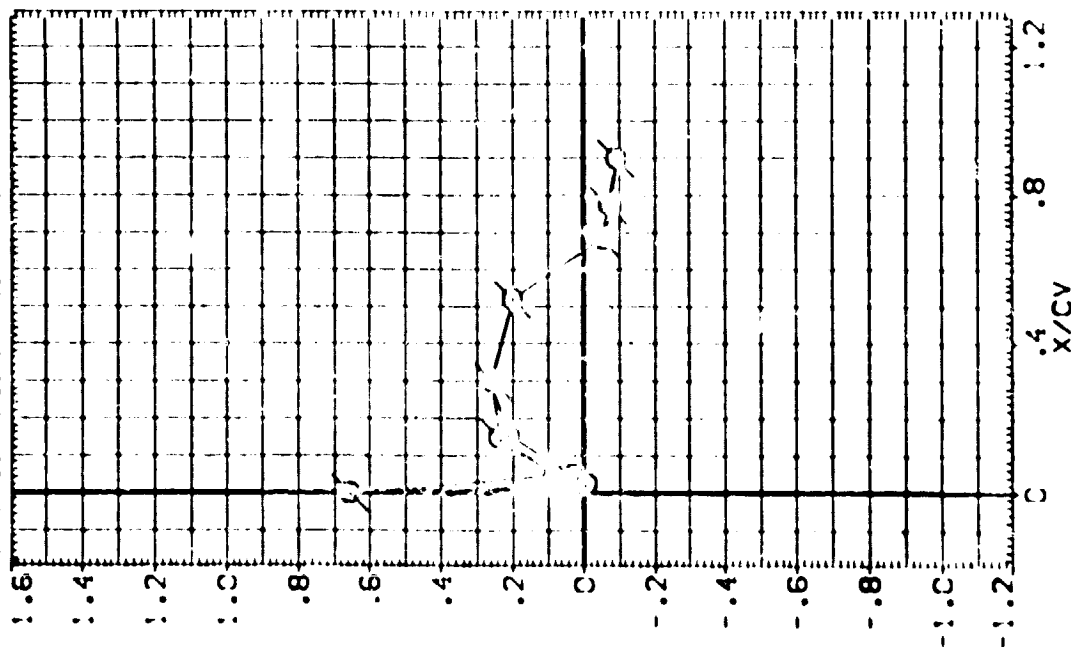
DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (2011.16) 0000 AIRCRAFTS DATA 01  
 (2011.16) 0000 AIRCRAFTS DATA 01



CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

SYMBOL ALPHA 2/8V BETA  
 O -.170 .975 -.080

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 [REAR:6] OPEN ARC97-7:6 SA22 01  
 [REAR:6] FLAGGED ARC97-7:6 SA22 01



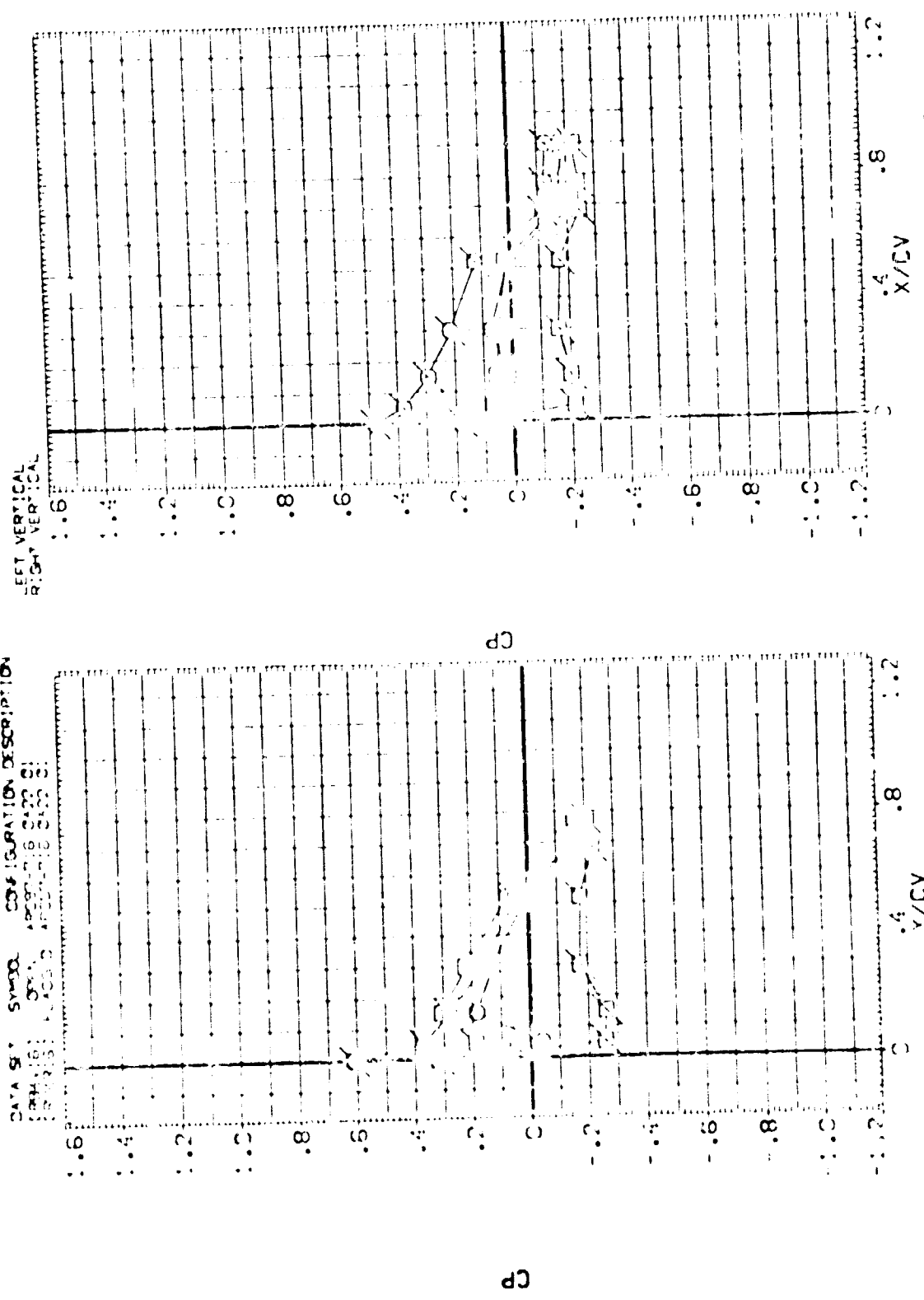
CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES



PARAMETRIC VALUES  
 MACH 2.000 ELEV 0.000  
 RUDDER .000 SPDRM .000

SYMBOL ALPHA Z/BY BETA  
 0 10.170 .158 1.510  
 1 20.350 .316

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (001) 101 001 101 101 101 101 101 101  
 (002) 101 001 101 101 101 101 101 101



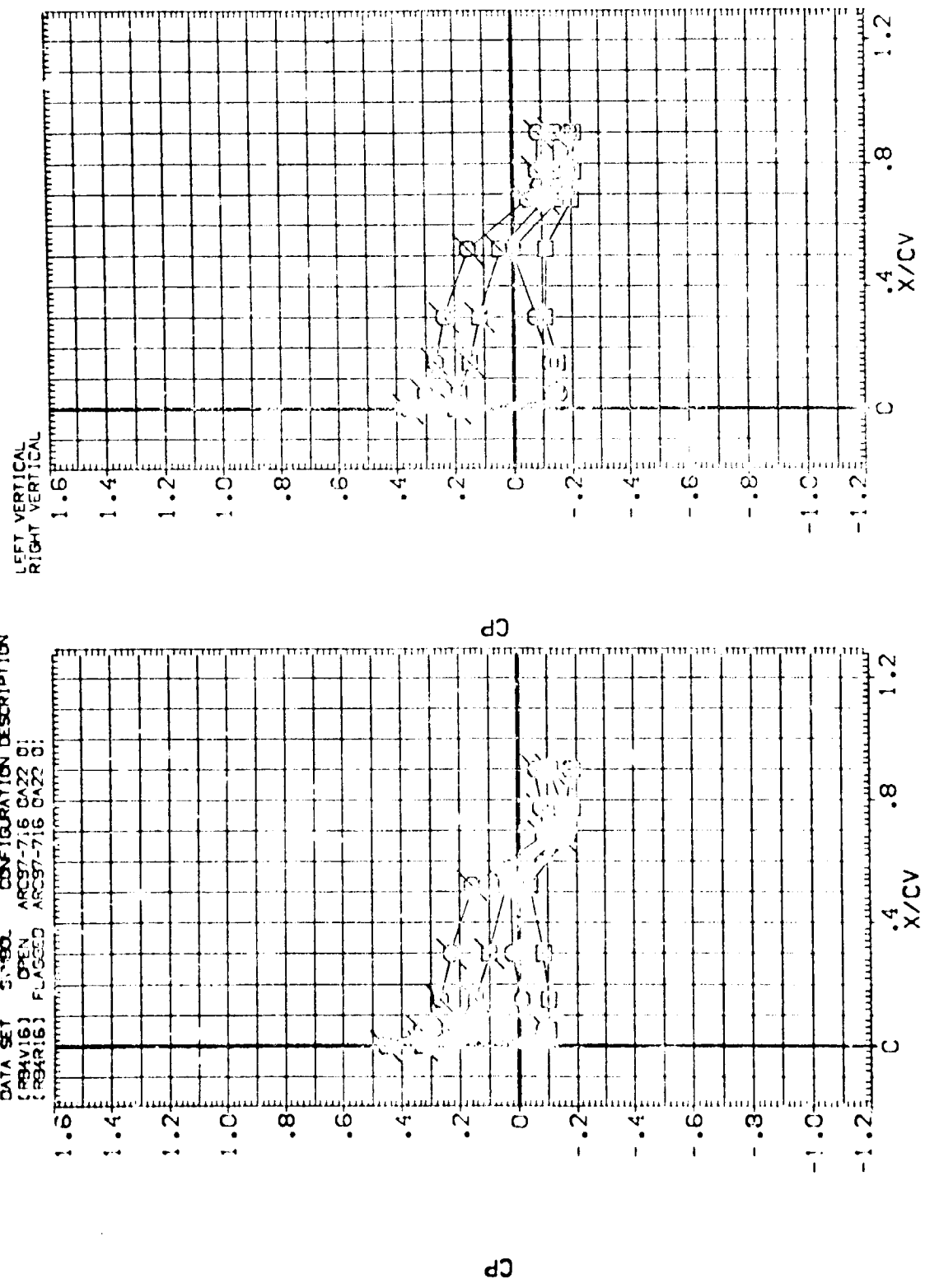
CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

SYMBOL ALPHA Z/BV BETA  
 10.120 .600 4.510  
 20.390 .840

MACH RUDDER  
 2.200 .000  
 2.200 .000  
 ELEVON SPOILER

PARAMETRIC VALUES  
 .000  
 .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 {RB4V16} OPEN ARC97-716 DA22 01  
 {RB4V16} FLAGGED ARC97-716 DA22 01



CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES



SYMBOL ALPHA  
10.120  
20.380

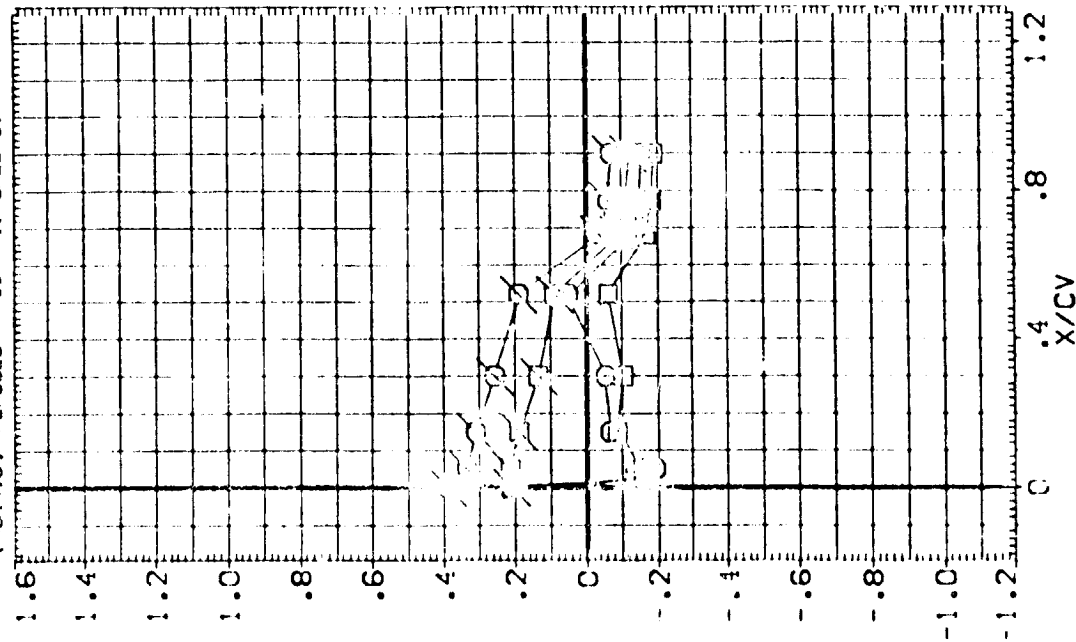
Z/BV .975  
BETA 4.510

PARAMETRIC VALUES  
2.200 ELEVON .000  
.000 SPOILER .000

MACH  
RUDDER

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RBAV16) OPEN ARC97-7:6 CA22 0:  
(RBAV16) FLAGGED ARC97-7:6 CA22 0:

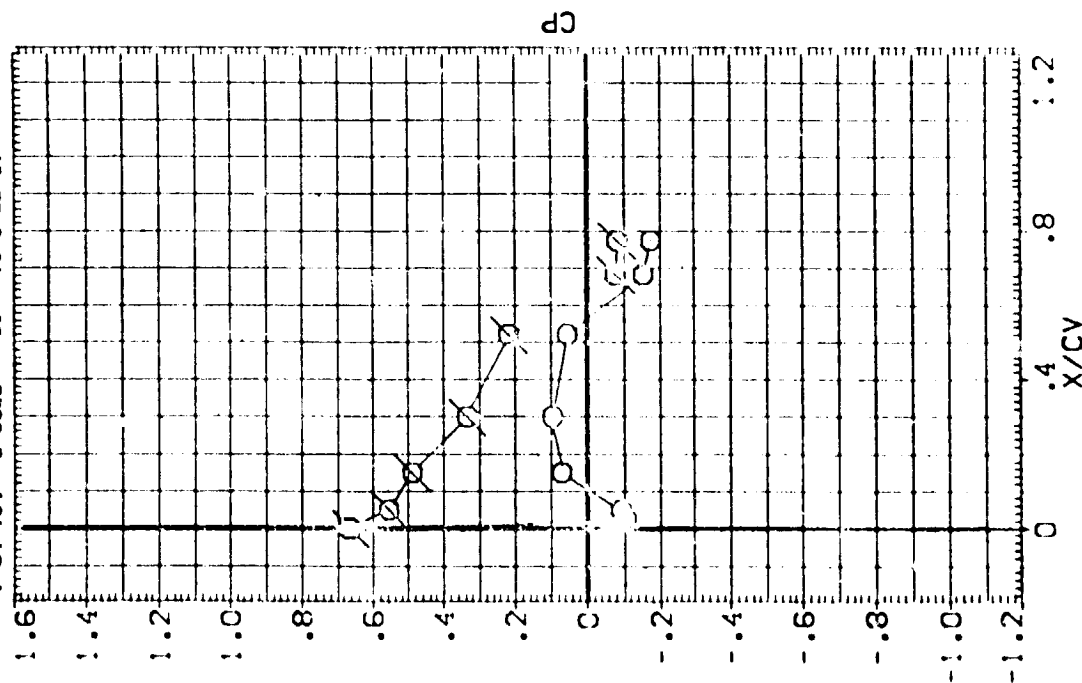
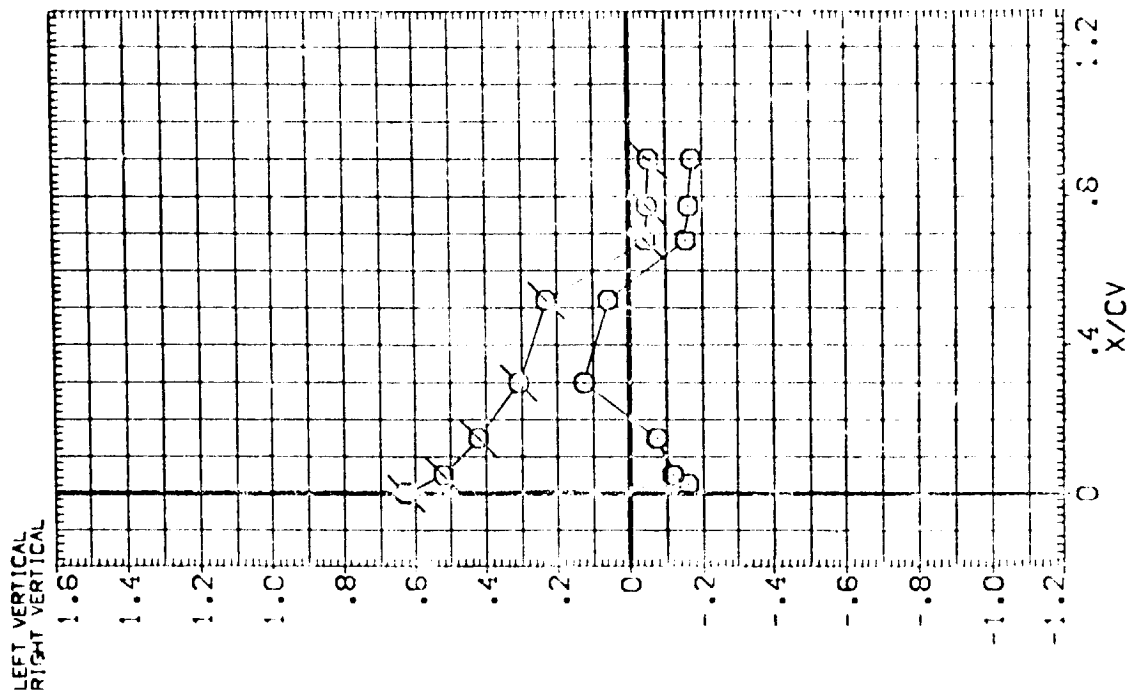
LEFT VERTICAL  
RIGHT VERTICAL



CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

SYMBOL  $\alpha$   $\alpha$   $\beta$   $\gamma$   $\delta$   $\epsilon$   $\zeta$   $\eta$   $\theta$   $\iota$   $\kappa$   $\lambda$   $\mu$   $\nu$   $\xi$   $\omicron$   $\pi$   $\rho$   $\sigma$   $\tau$   $\upsilon$   $\phi$   $\chi$   $\psi$   $\omega$   
 ALPHA -0.120 Z/BV .158 BETA 4.970  
 MACH .000 ELEVON .000  
 RUDDER .000 SPOBRK .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 [RB4V:6] OPEN ARC97-716 CA22 01  
 [RB4R:6] FLAGGED ARC97-716 CA22 01



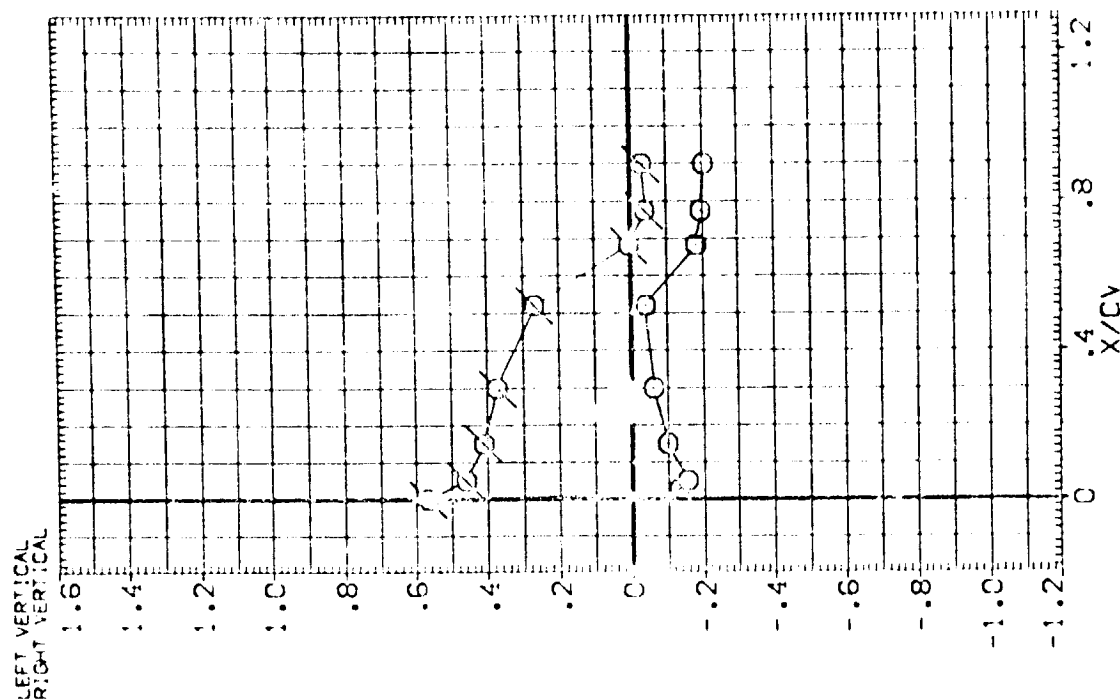
CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

PARAMETRIC VALUES  
 2.200 ELEVON  
 .000 SPOILER

MACH  
 RUDDER

SYMBOL ALPHA Z/BV BETA  
 O -1.120 .600 4.970  
 .840

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (PBAV'S) OPEN AR007-716 QAZ2 C1  
 (RBAV'S) FLAPPED AR007-716 QAZ2 C1



CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

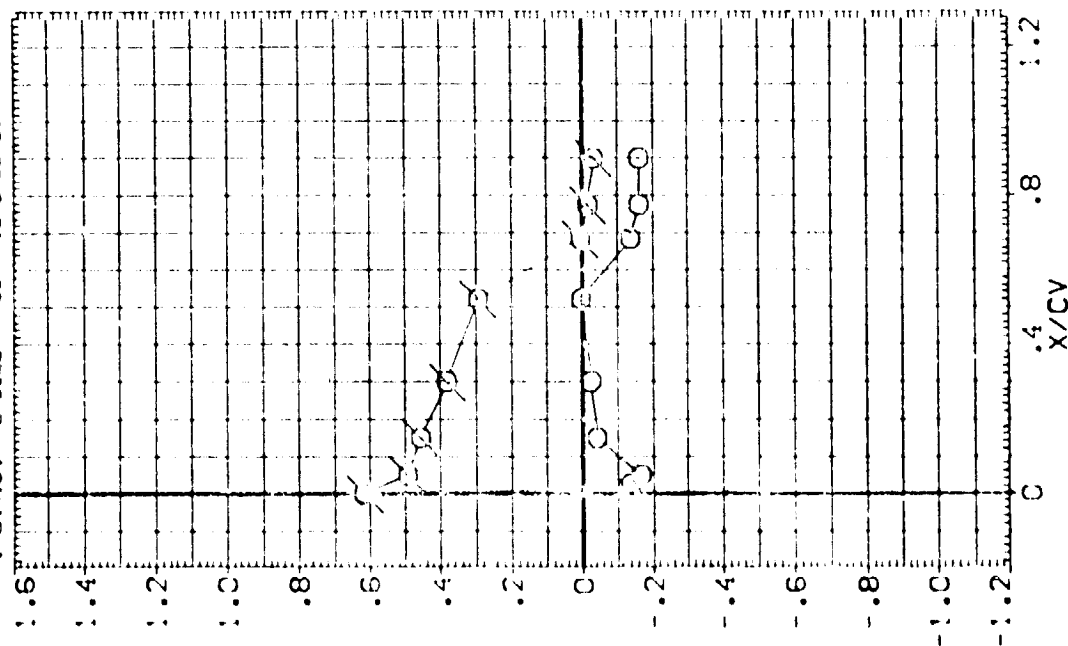
SYMBOL ALPHA Z/BV BETA  
 O -1.120 .925 4.970

MACH RUDDER  
 2.200  
 .000

PARAMETRIC VALUES  
 ELEVON  
 .000  
 .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (R94V16) OPEN ARC97-716 CA22 01  
 (R94V16) FLAGGED ARC97-716 CA22 01

LEFT VERTICAL  
 RIGHT VERTICAL



CHORDWISE DISTRIBUTION OF LEFT AND RIGHT SURFACE VERTICAL TAIL PRESSURES

ARC97-716 CA22 C1

FUS+RELAPE BASE (RB4C15)

SYMBOL

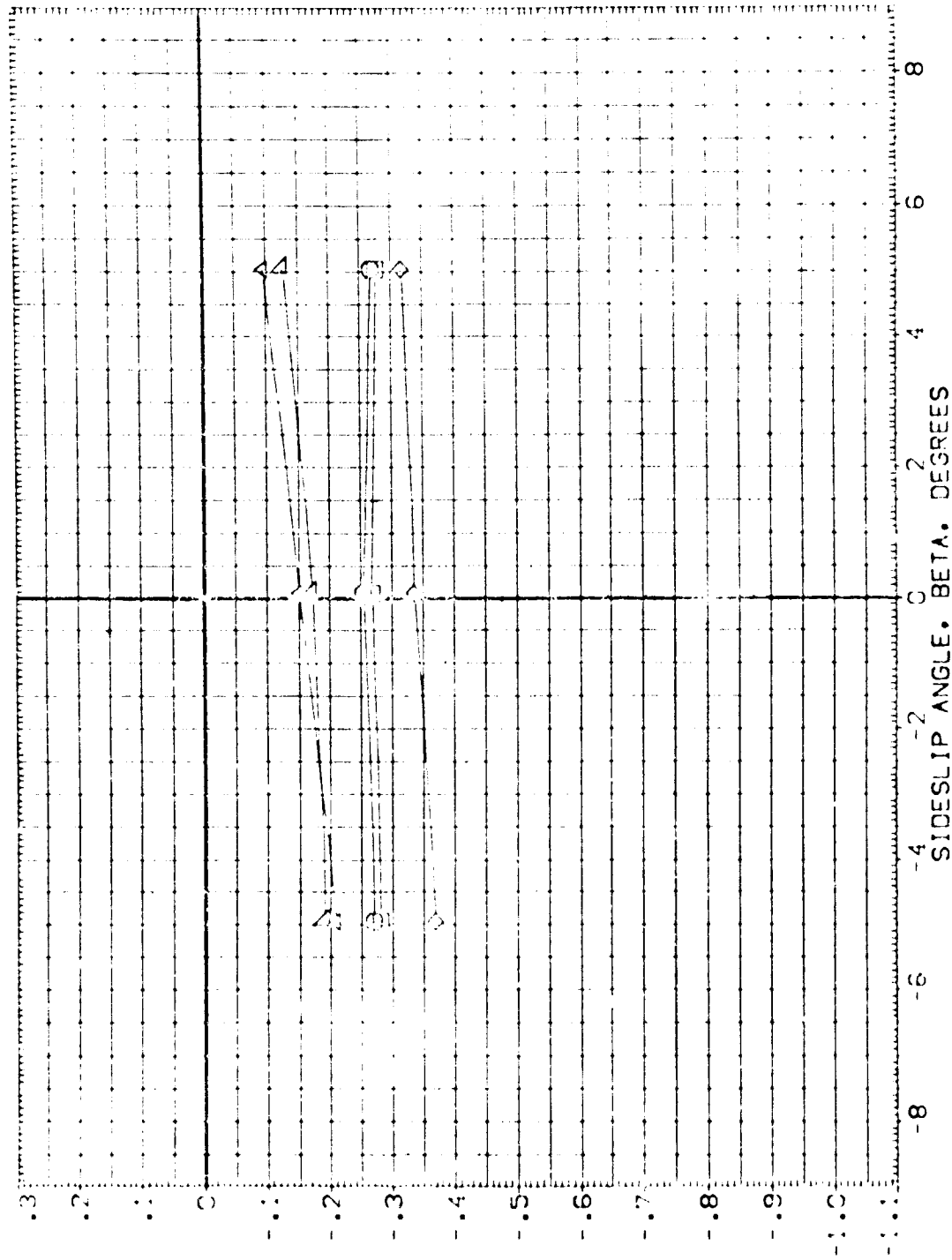
1.000  
2.000  
3.000  
4.000  
5.000

.000

A<sub>0</sub> = .130

PARAMETRIC VALUES

MACH 1.550 ELEVON .000  
RUDDER .000 SPDRX .000



PRESSURE COEFFICIENT, CP

ORBITER BASE PRESSURES

# ARC97-7:6 CA22 C1

# EUS+RELARE BASE (RB4C15)

SYMBOL

TAP NO  
1.000  
2.000  
3.000  
4.000  
5.000

ALPHA  
.000 10.000

PARAMETRIC VALUES

WCH 1.550  
RLOOR .000  
ELEVON .000  
SPDRON .000



PRESSURE COEFFICIENT, CP

ORBITER BASE PRESSURES



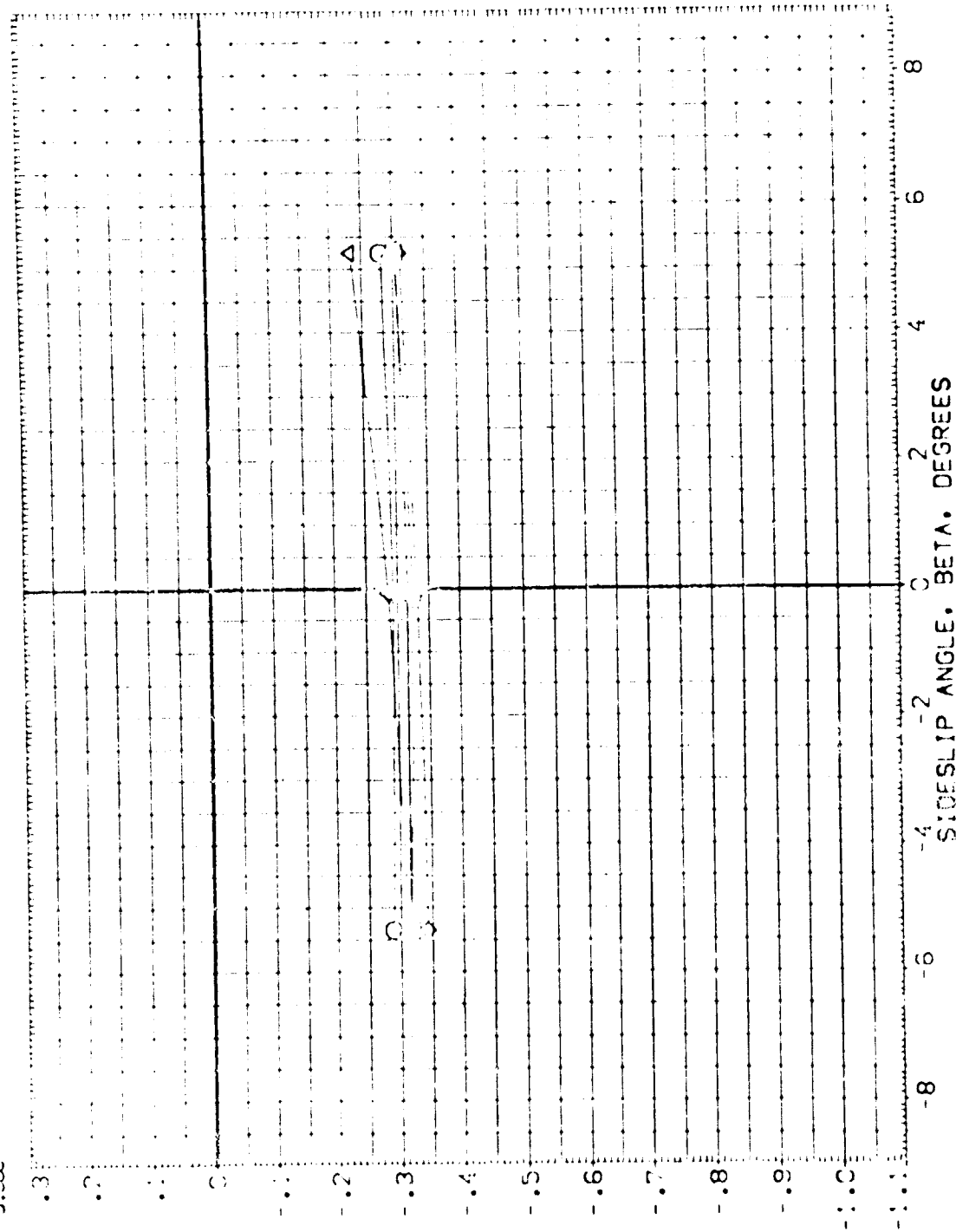
FUS+RELARE BASE (RB4C15)

APC97-16 CA22 C1

PARAMETRIC VALUES  
 MACH 1.550  
 ELEVON .000  
 RUDDER .000

TAP NO  
 1.000  
 2.000  
 3.000  
 4.000  
 5.000

SYMBOL  
 1  
 2  
 3  
 4  
 5



ORBITER BASE PRESSURES

APC97-716 CA22 C:

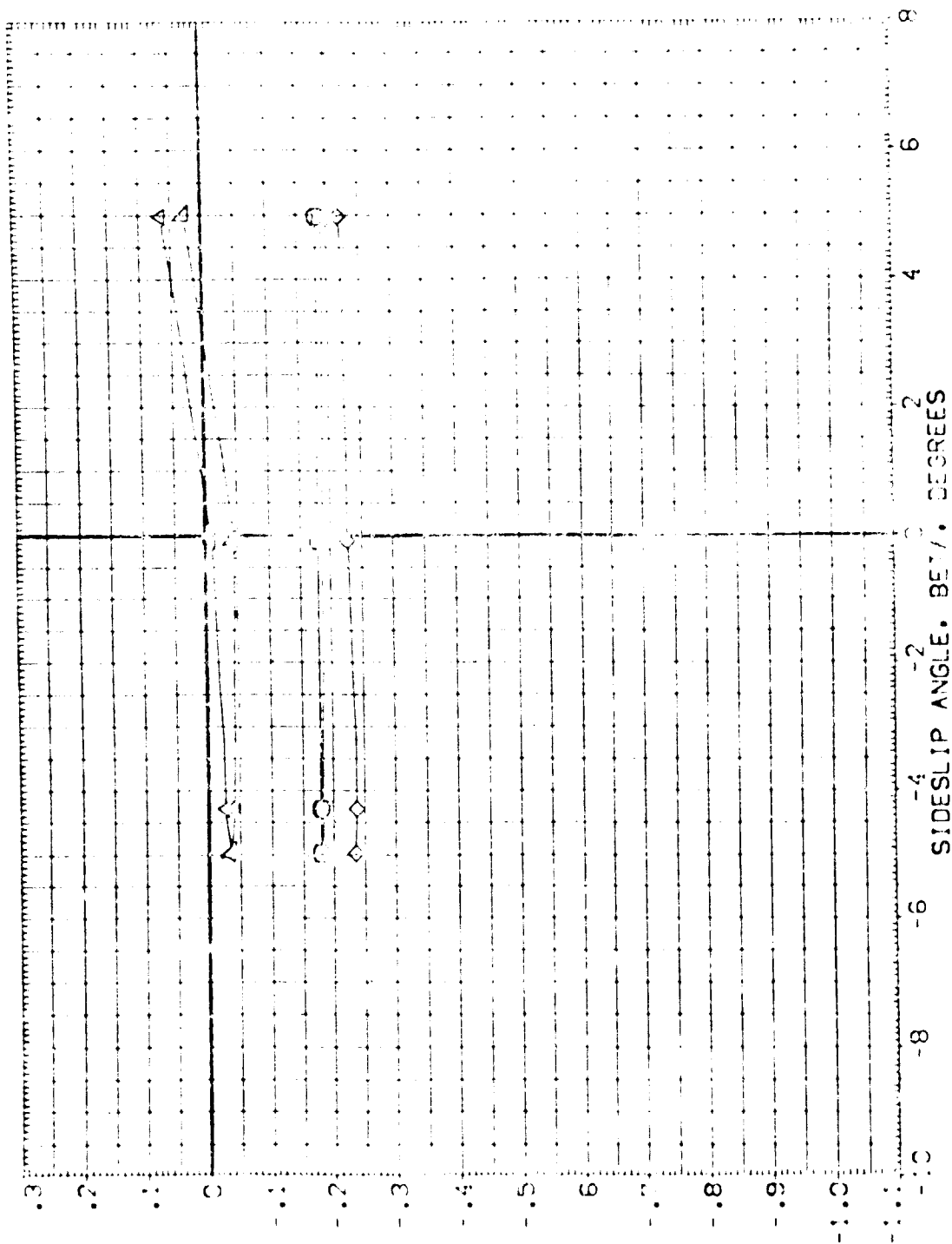
FUS+RELARE BASE (RB4C1E)

SYMBOL

TAP NO  
1.000  
2.000  
3.000  
4.000  
5.000

ALPHA  
-1.170

PARAMETRIC VALUES  
MACH 2.200 ELEV IN .000  
RUDDER .000 SPEED IN .000



PRESSURE COEFFICIENT, CP

ORBITER BASE PRESSURES

# FUS+RELARE BASE (R84C16)

APPROX 016 CA22 01

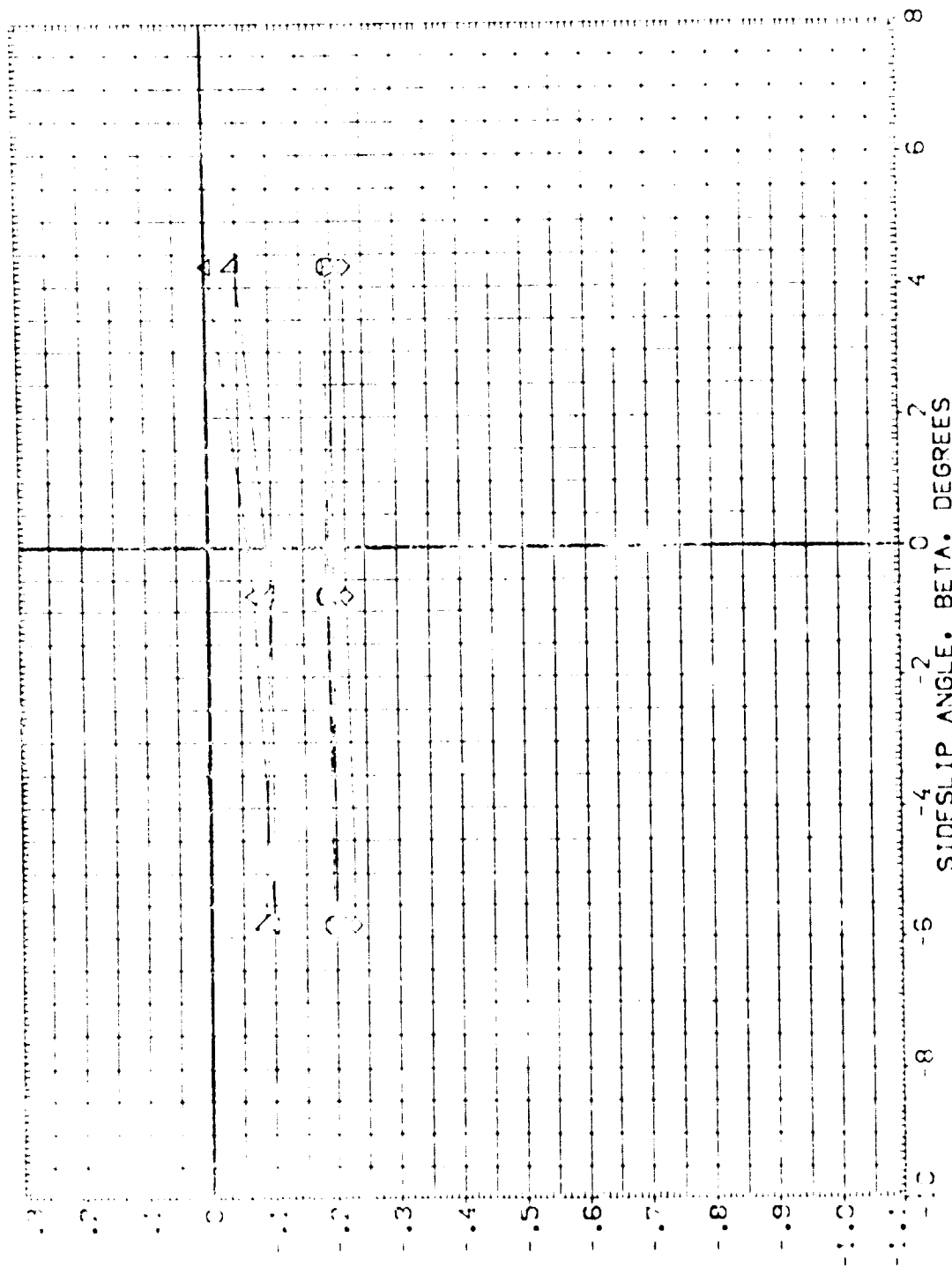
SYNTH

1.000  
2.000  
3.000  
4.000  
5.000

ALPHA  
10.000

PARAMETRIC VALUES  
MACH 2.000  
ELEVON 1.000  
RUDDER 1.000

PRESSURE COEFFICIENT, CP



ORBITER BASE PRESSURES

A 2097-7:6 CA22 01

EUS+RELARE BASE (RB4C16)

SYMBOL

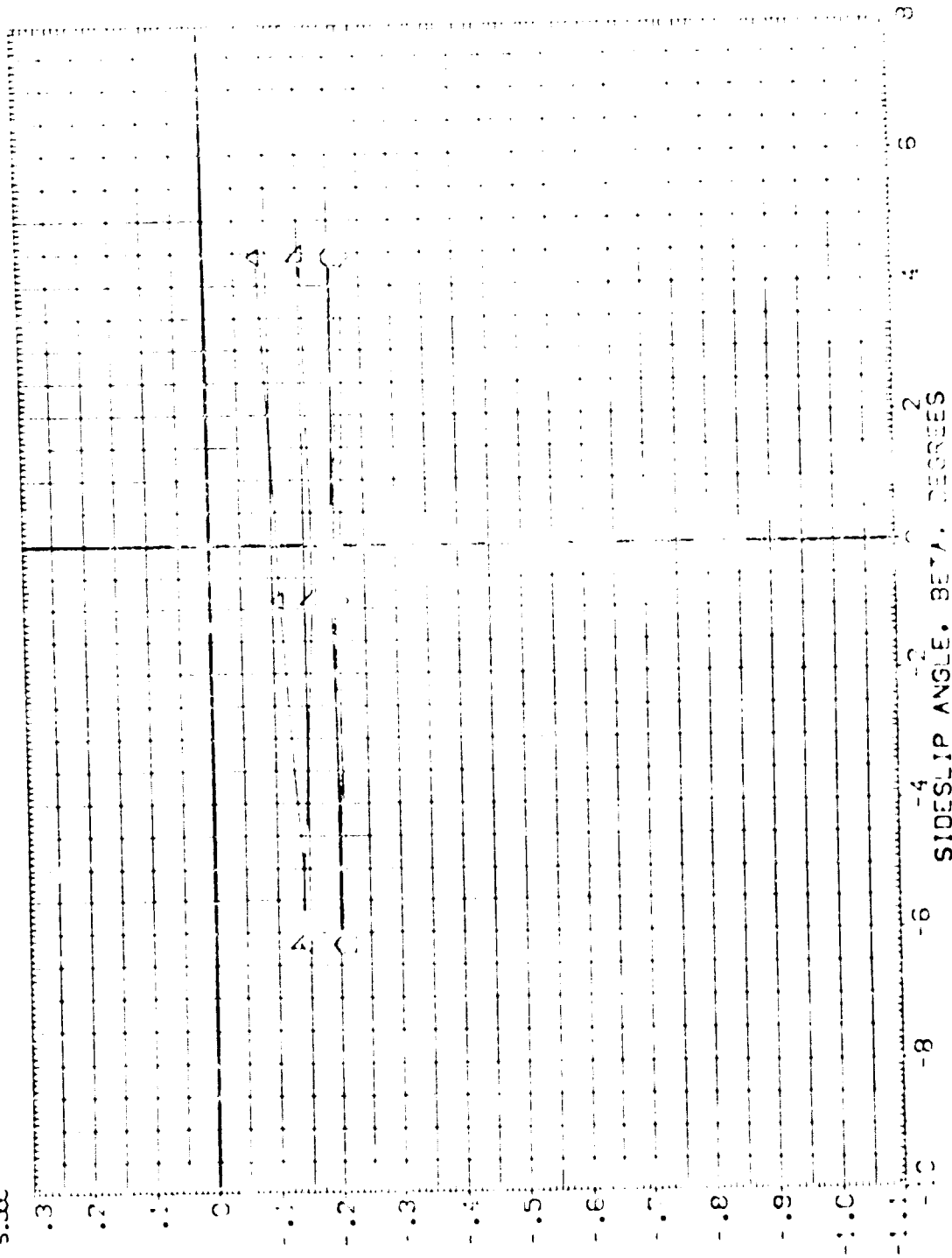
TAP M:  
1.000  
2.000  
3.00  
4.000  
5.000

ALPHA  
70.391

.000

PARAMETRIC VALUES

MACH 2.200 ELEVON SP00RM  
R000R .000 .000



PRESSURE COEFFICIENT, CP

ORBITER BASE PRESSURES

SIDESLIP ANGLE, BETA, DEGREES

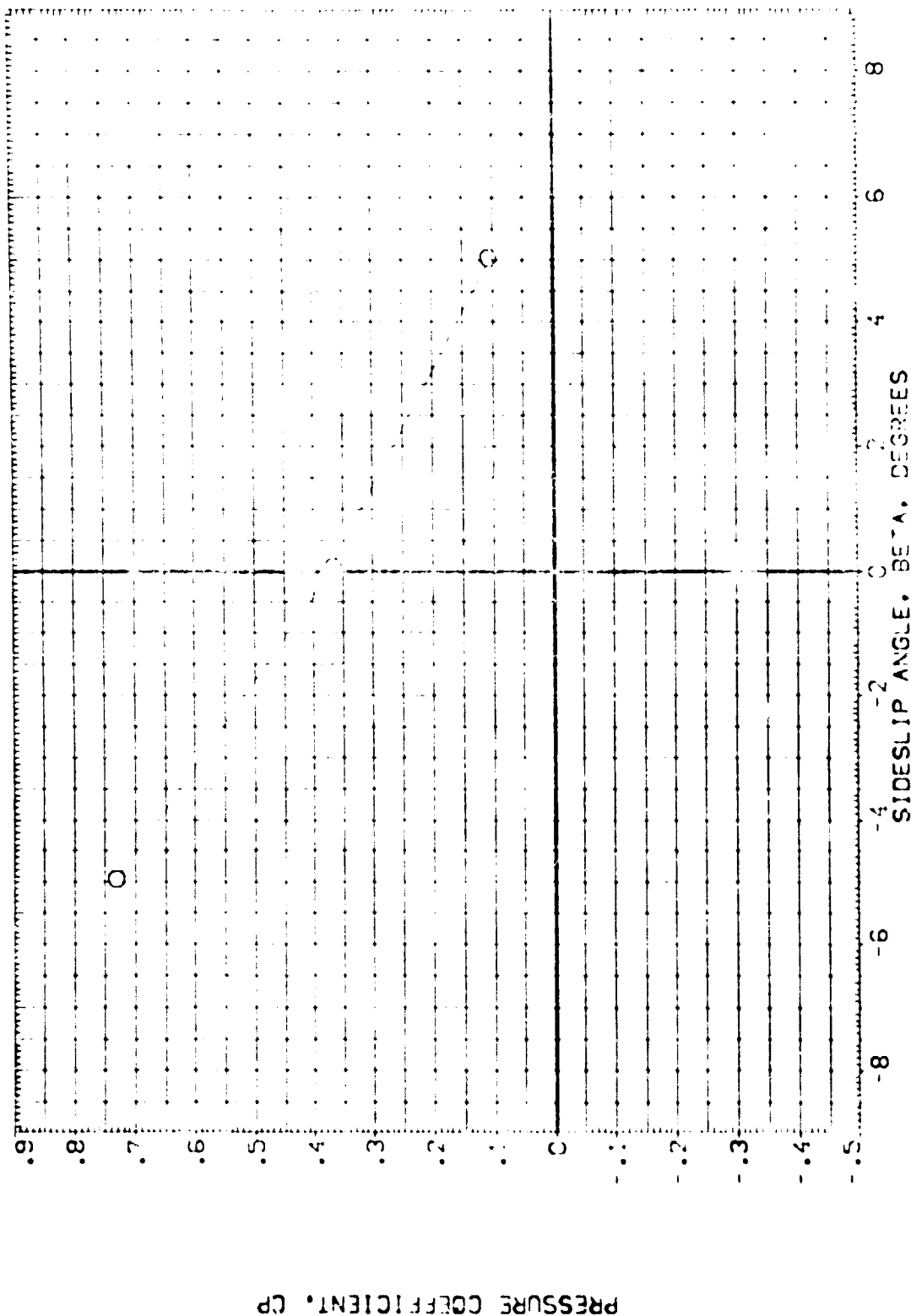






ARC97-7:6 CA22 0:1  
Mach .80.000 X/LM .400 ALPHA -.130  
PARAMETRIC VALUES  
Mach 1.550 ELEVON .000  
RUDDER .000 SPOON .000

OMS NOZZLE (R84E15)



OMS NOZZLE PRESSURES

ARC97-716 CR22 C:

CMS NOZZLE

(R34E15)

SYMBOL

PH

135,000

180,000

275,000

1,000

2,000

3,000

4,000

5,000

6,000

7,000

8,000

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10,000

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287,000

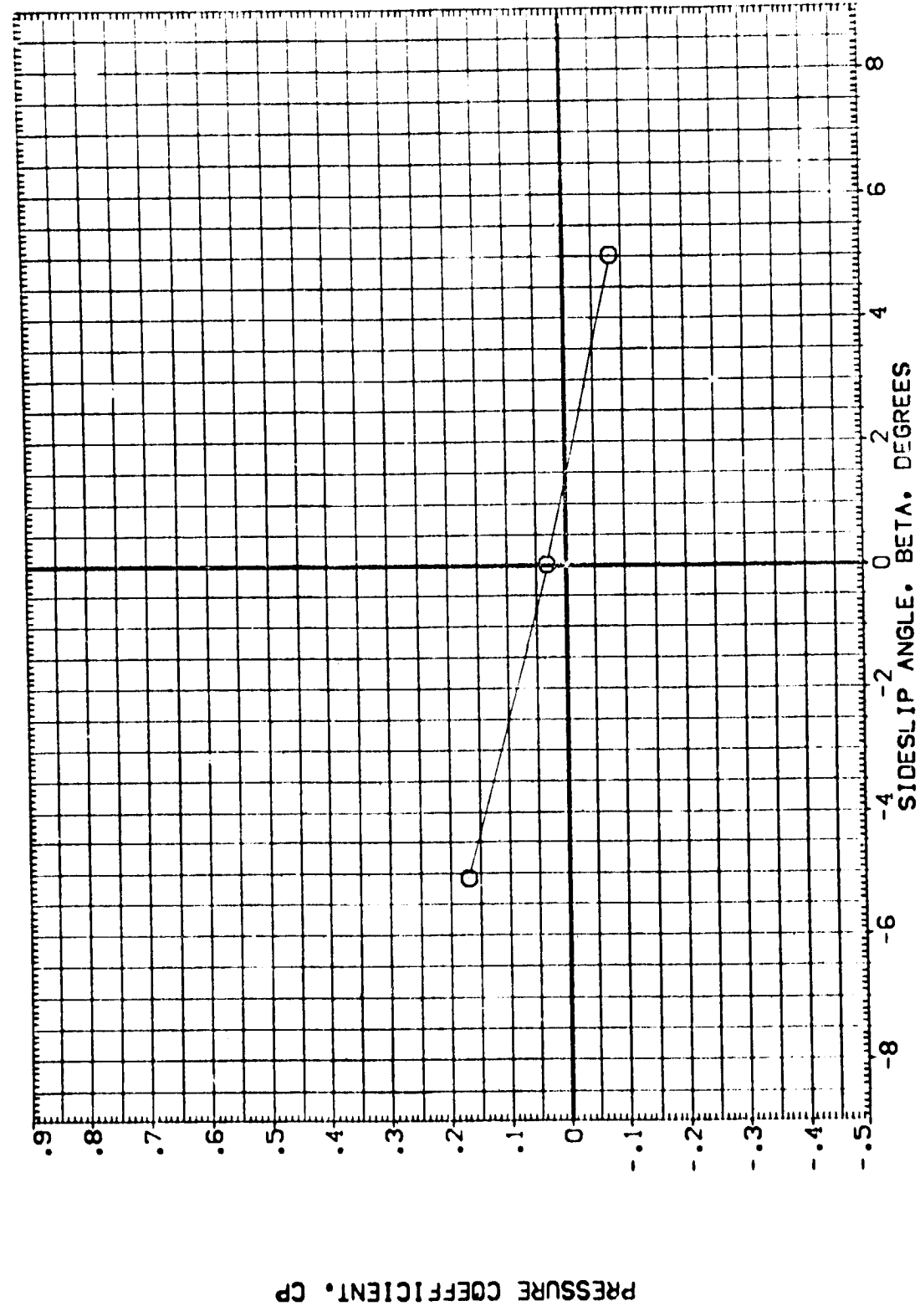
288,000

5-4

ARC97-716 0A22 01

PHI	X/LIN	ALPHA	PARAMETRIC VALUES		
160.000	.400	10.090	MACH	1.550	
			RUDDER	.000	
				ELEVON	.000
				SPOILER	.000

QMS NOZZLE (RB4E15)



QMS NOZZLE PRESSURES



ARC97-716 0A22 01

QMS NOZZLE (RB4E15)

PARAMETRIC VALUES

MACH 1.550 ELEVON .000

RUDDER .000 SPOBRK .000

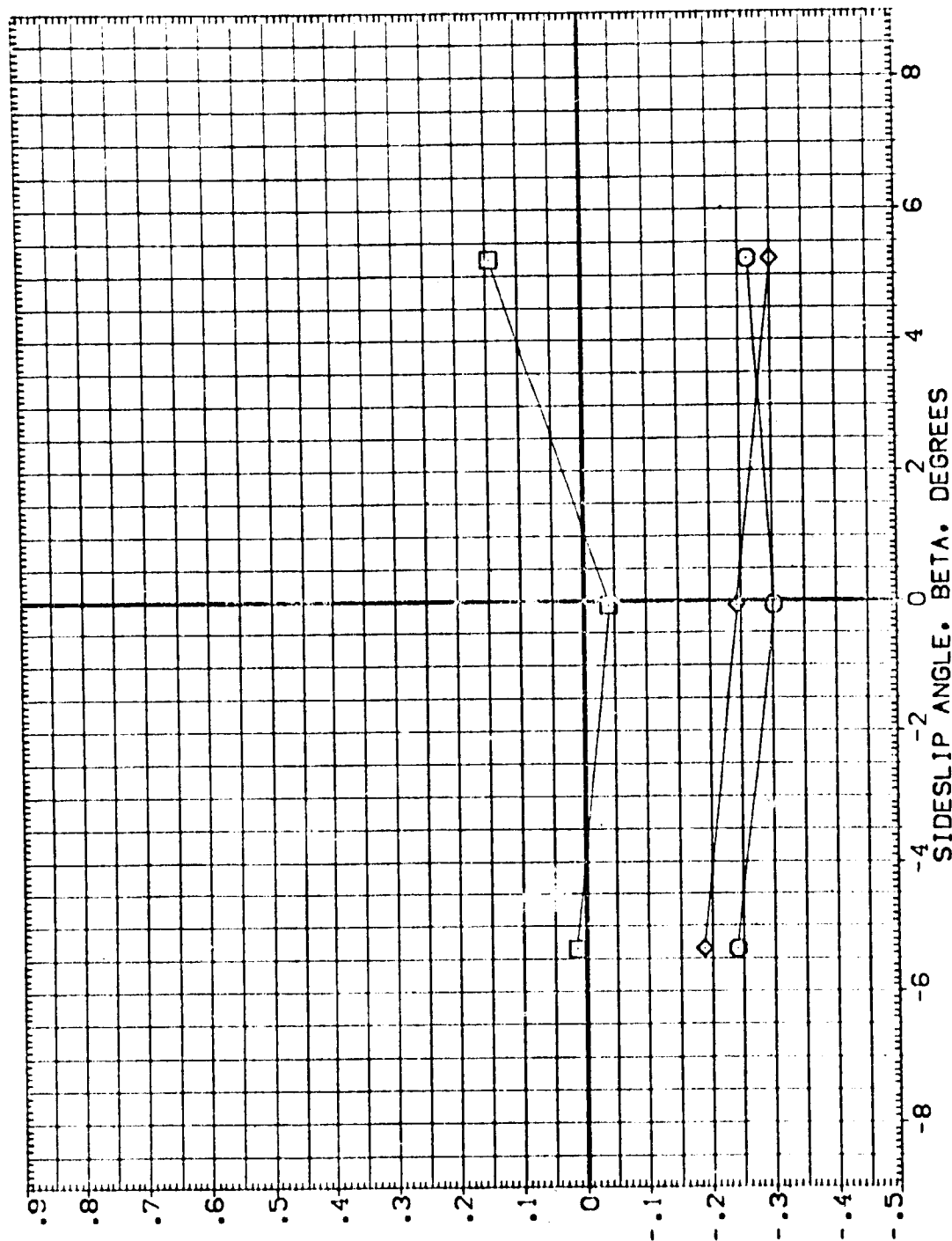
PHI

135.000  
180.000  
225.000

X/LN ALPHA 20.300

□ ◇

PRESSURE COEFFICIENT, CP



QMS NOZZLE PRESSURES

ARC97-716 OA22 01

OMS NOZZLE

(RB4E15)

SYMBOL  
O

PHI  
180.000

X/LNH  
.400

ALPHA  
20.320

PARAMETRIC VALUES

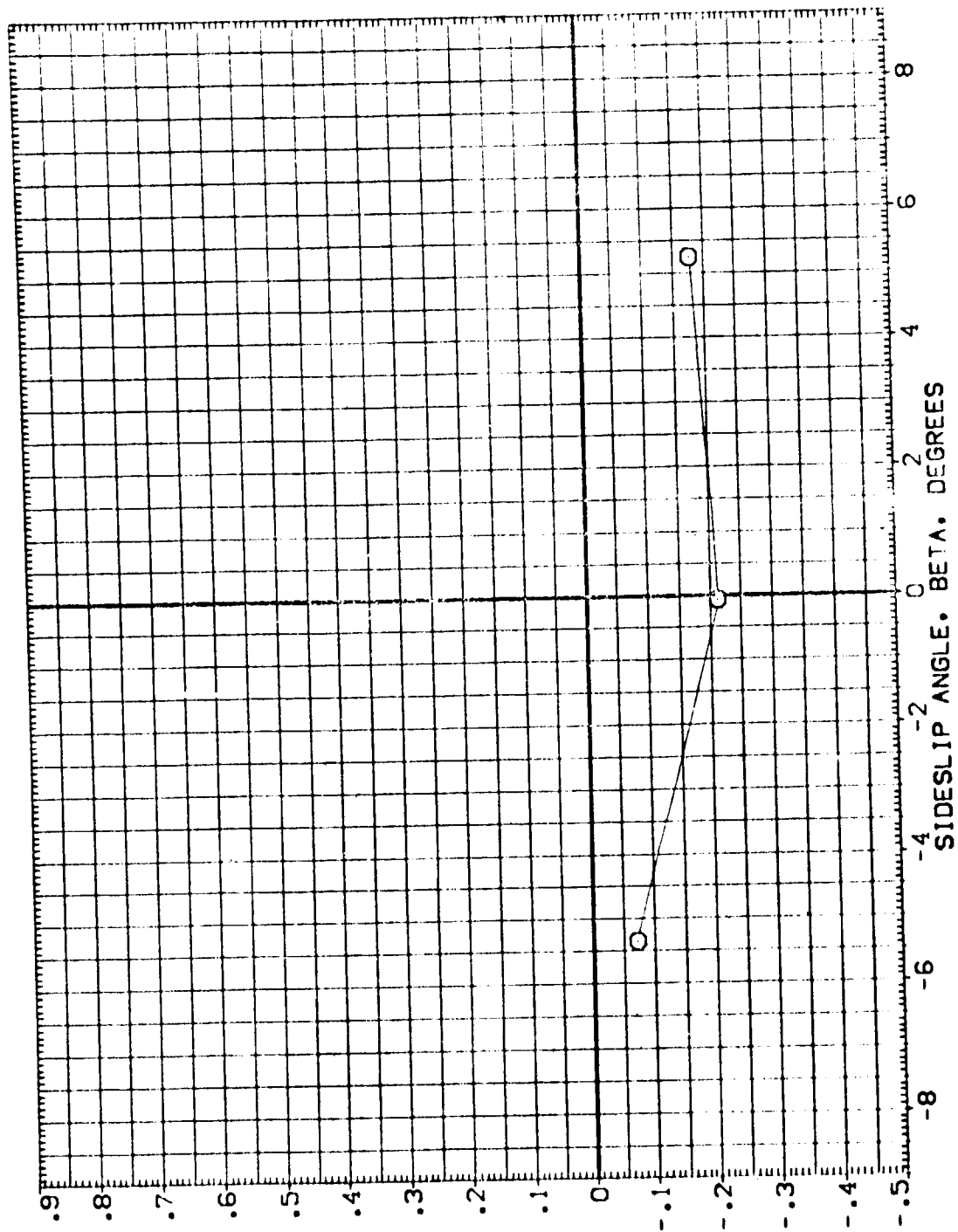
1.550  
.000

ELEVON  
SPDRK

.000  
.000

MACH  
FLUDER

PRESSURE COEFFICIENT, CP



OMS NOZZLE PRESSURES

ARC97-716 CA22 0:

OMS NOZZLE (RB4E16)

SYMBOL

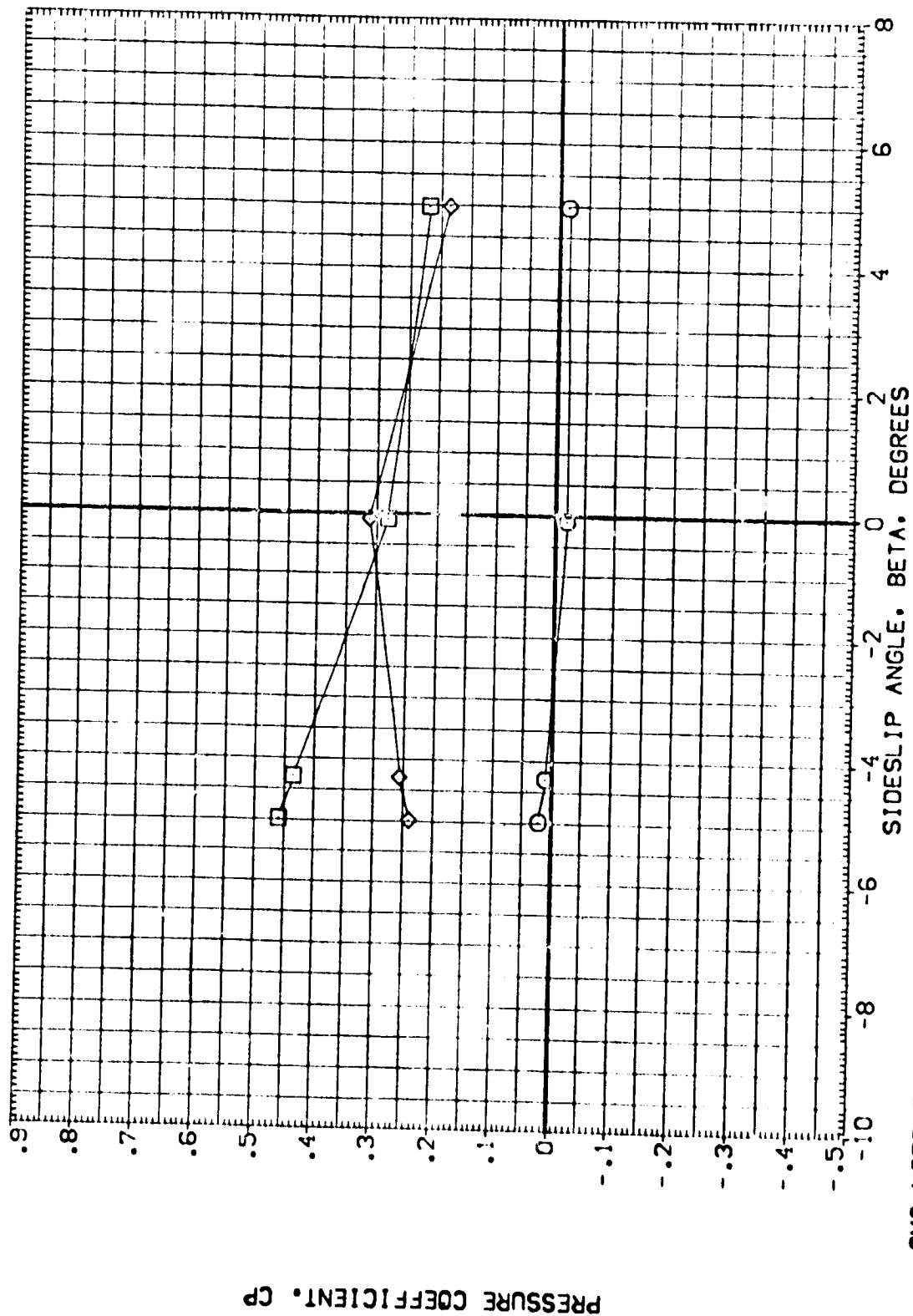
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180.000  
225.000

X/LN  
.200

ALPHA  
-.120

PARAMETRIC VALUES

MACH  
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ELEVON  
.000  
RUDDER  
2.000  
SPDRK  
.000



OMS NOZZLE PRESSURES

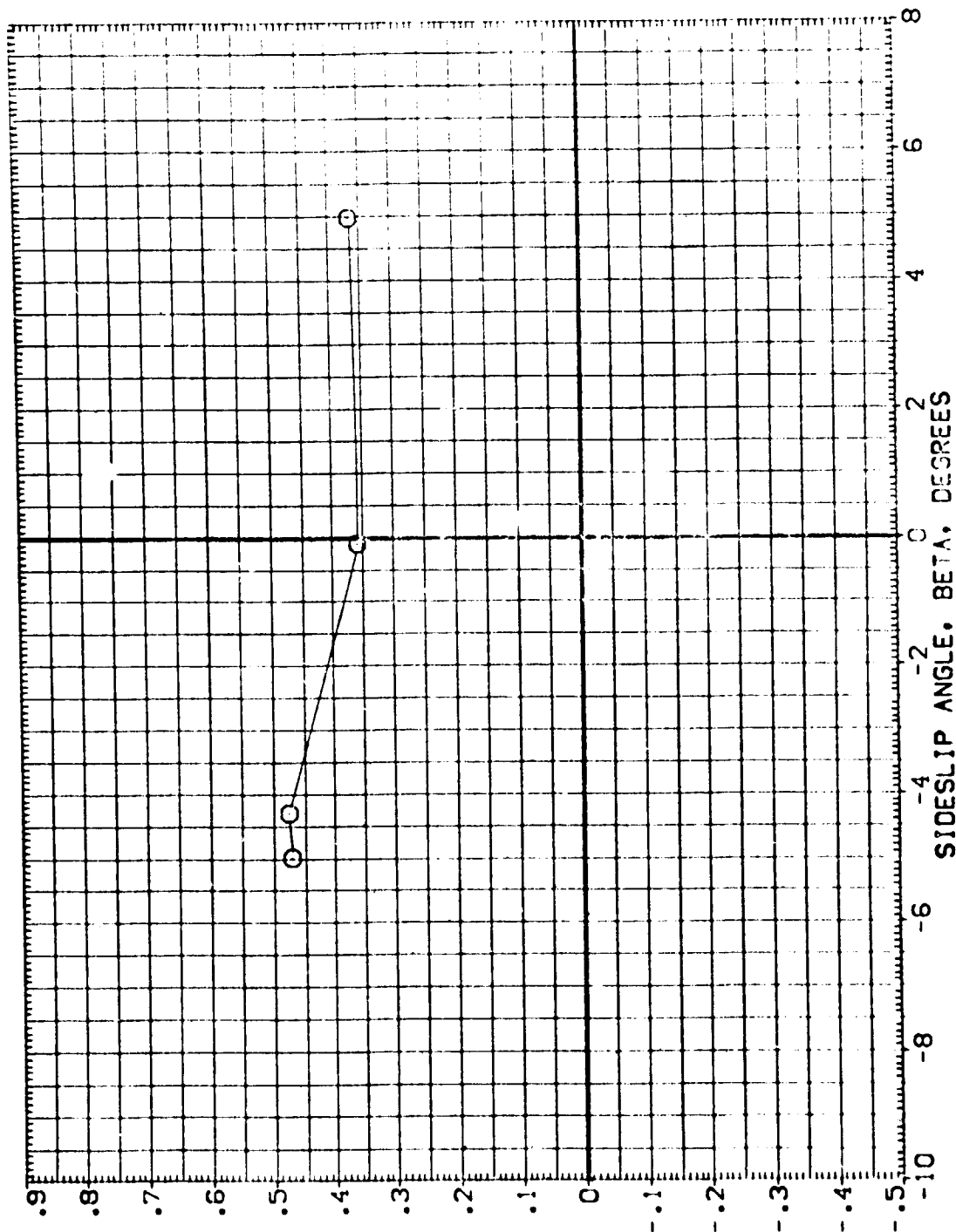
# ARC97-716 0A22 01

SYMBOL  
O

PHI 180.000  
X/LNM .400  
ALPHA -.120

MACH  
RUDDER

PARAMETRIC VALUES  
2.200  
.000  
ELEVON  
SPORRK  
.000  
.000



PRESSURE COEFFICIENT, CP

OMS NOZZLE PRESSURES

ARC97-716 GA22 01

OMS NOZZLE

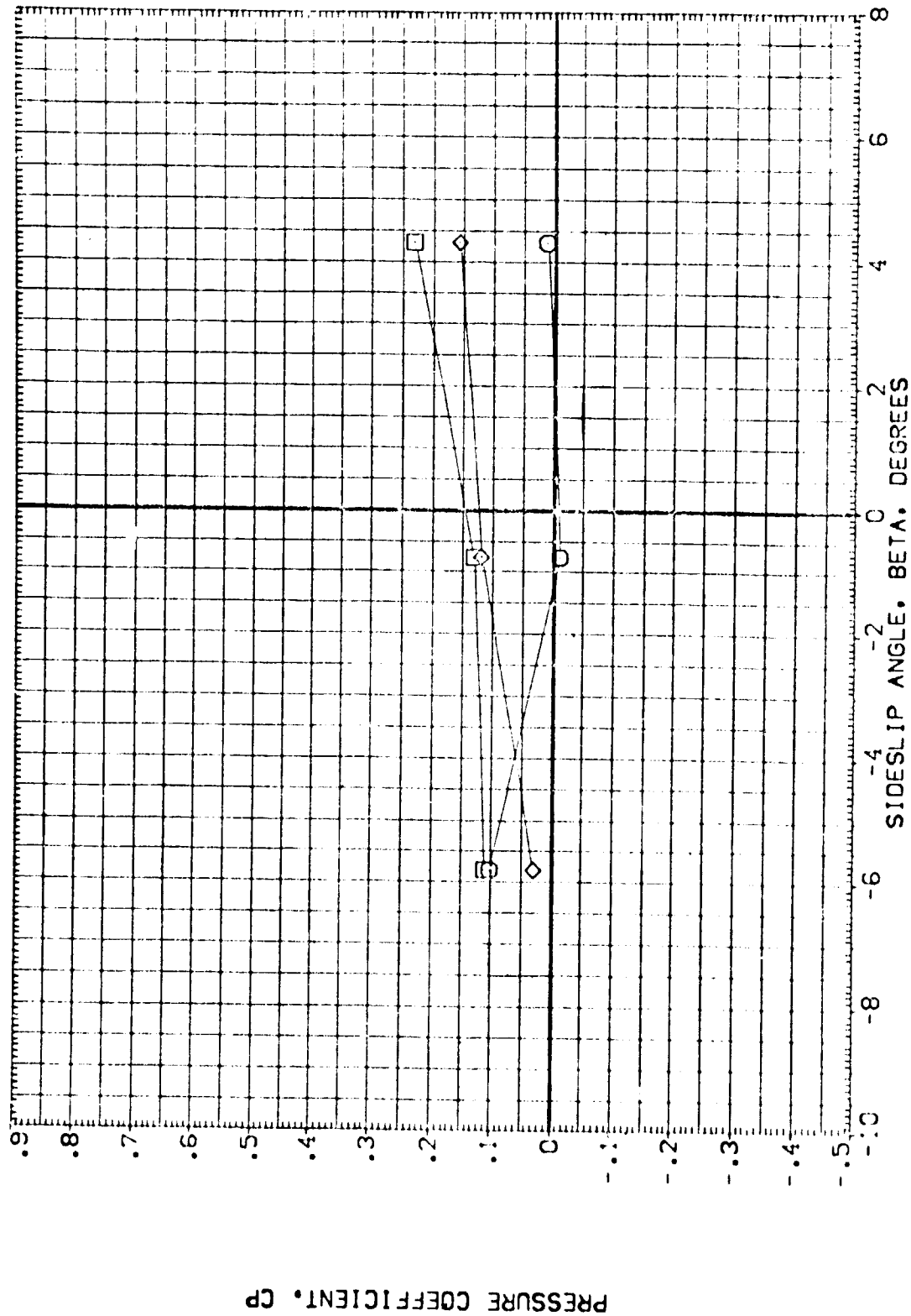
(RB4E16)

SYMBOL  
○  
◇

PHI  
135.000  
180.000  
225.000

X/LIN ALPHA  
.200 10.120

PARAMETRIC VALUES  
MACH 2.200 ELEVON .000  
RUDDER .000 SPOILER .000



OMS NOZZLE PRESSURES

ARC97-716 CA22 01

OMS NOZZLE

(RB4E16)

SYMBOL

○

PHI

180.000

X/LN

.400

ALPHA

10.120

PARAMETRIC VALUES

2.200

ELEVON

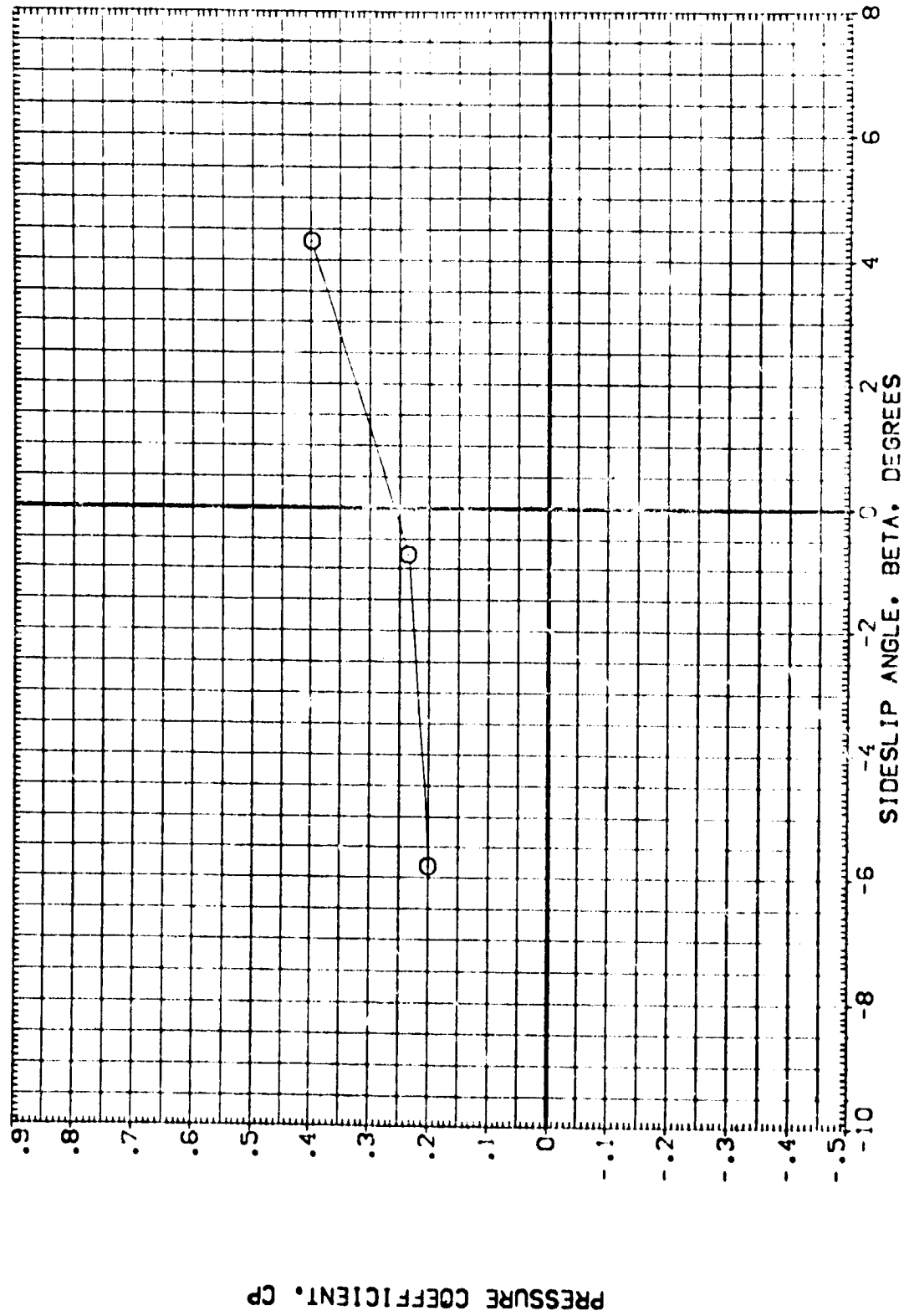
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MACH  
RUDDER

.000

SPOILER

.000



OMS NOZZLE PRESSURES

ARC97-716 OA22 01

OMS NOZZLE

(RB4E16)

Symbol

PMI

X/LNM

ALPHA

135.000

.200

20.390

180.000

225.000

PARAMETRIC VALUES

.000

2.200

.000

MACH

RUDER

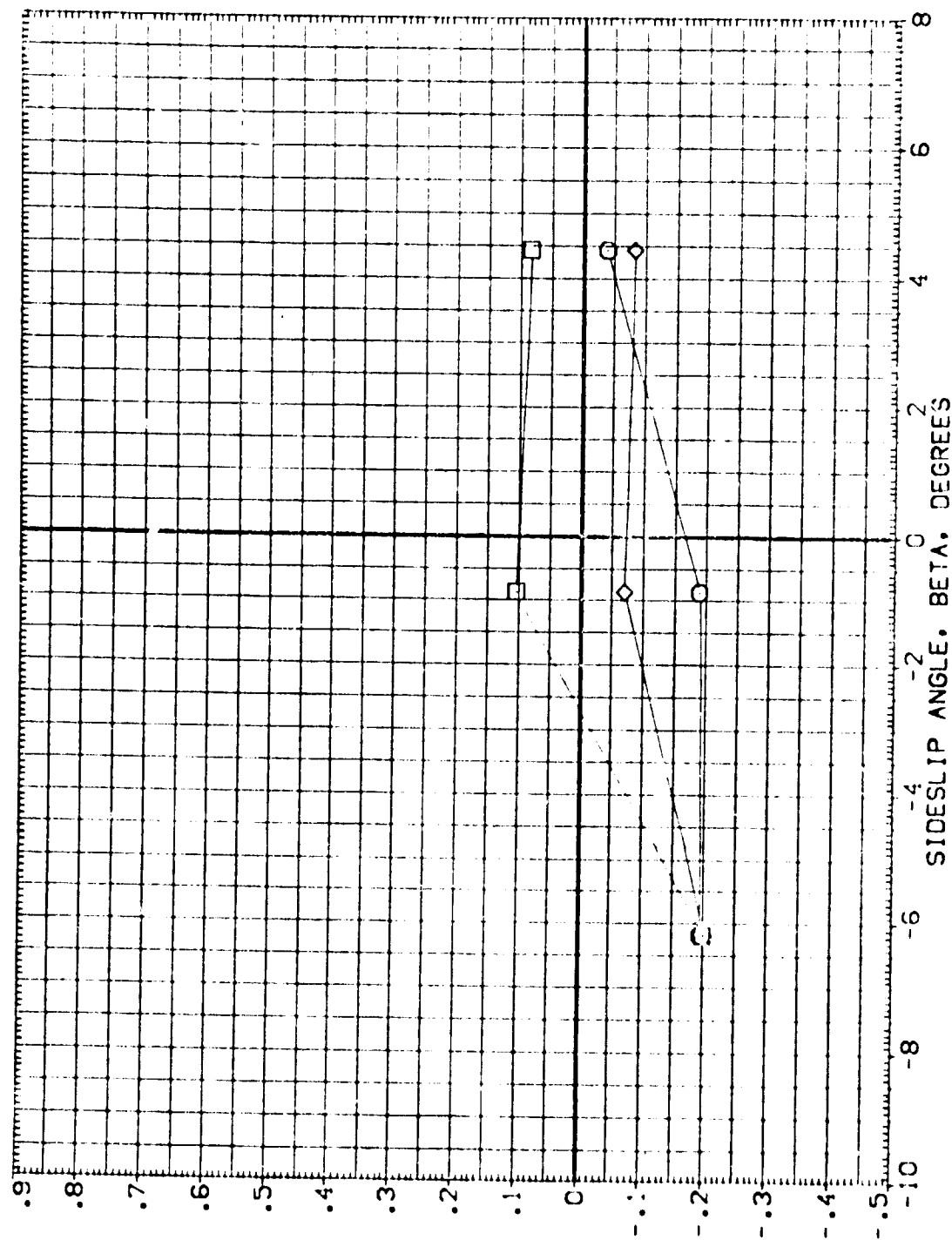
ELEVON

SPOBRK

.000

.000

.000



OMS NOZZLE PRESSURES

ARC97-716 0A22 01

OMS NOZZLE

(R84E16)

SYMBOL  
O

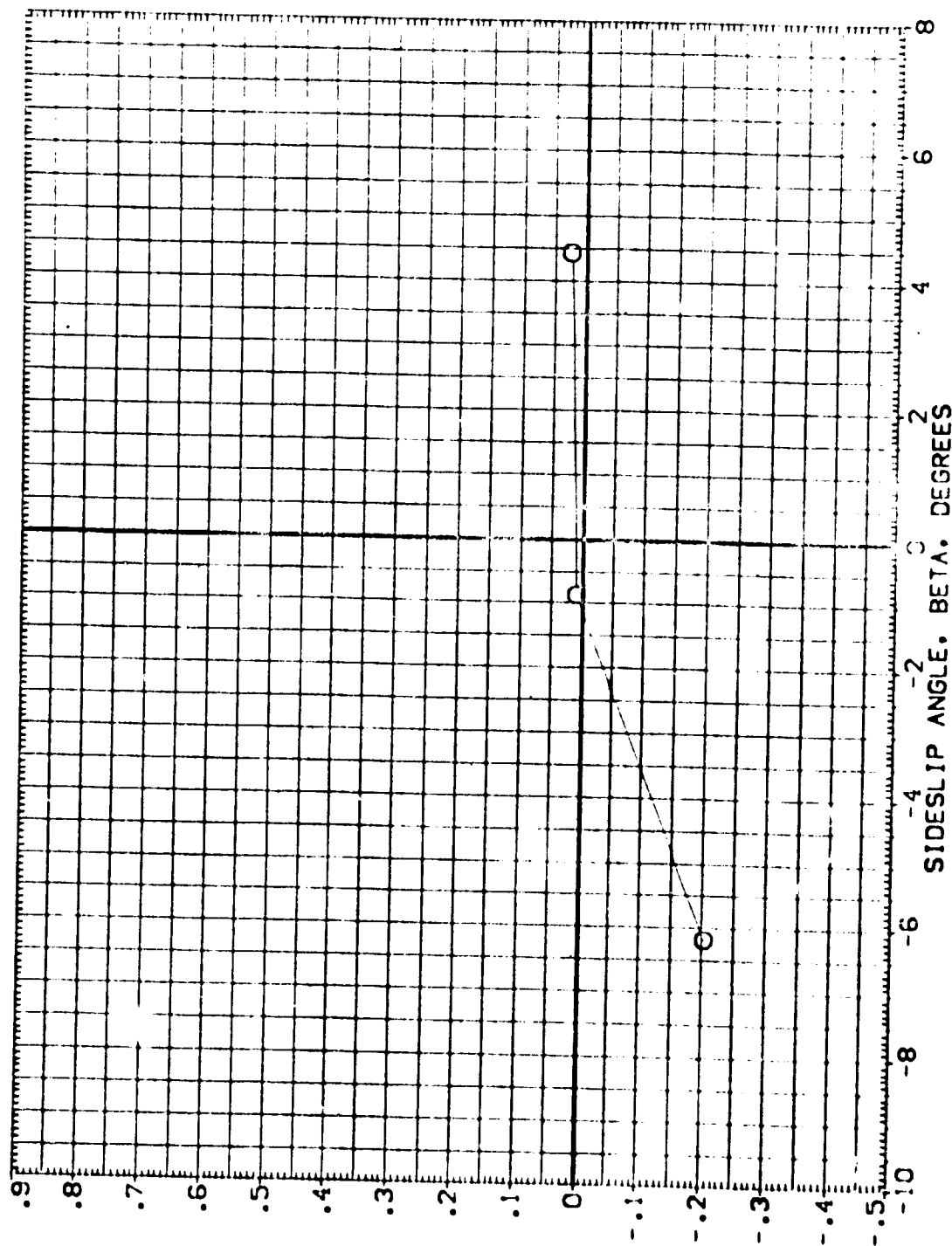
PHI  
180.000

XALPH  
.100

ALPHA  
20.350

PARAMETRIC VALUES

MACH 2.200  
RUDDER .000  
ELEVON .000  
SPOBRK .000



PRESSURE COEFFICIENT, CP

OMS NOZZLE PRESSURES





APPENDIX  
TABULATED SOURCE DATA  
(FORCE)

Tabulations of plotted data are available on request from  
Data Management Services.

DATE 10 APR 75

TABULATED FORCE DATA - CM229

PAGE 1

ANES 97-716 CM229 B26 C9 F8 M7 N28 V0R5 W116 E26

(RB40035) (09 APR 75)

REFERENCE DATA

SRET = 2.4210 50. FT. XREF = 25.5420 IN.  
 LRET = 30.7090 IN. YREF = .0000 IN.  
 BRET = 30.7090 IN. ZREF = .0000 IN.  
 SCALE = .0000

ALPHA = 27.000 ELEVON = .000  
 RUDDER = .000 SPOSRK = .000

PARAMETRIC DATA

RUN NO. 239/0 RVL = 2.77 GRADIENT INTERVAL = -5.00/ 5.00

MAON	BETA	ALPHA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
2.201	-5.390	27.05000	1.02000	-.02048	.08090	.04760	.05700	.01291	.00520	.09350	.51010
2.201	-5.390	27.05000	1.02000	-.02048	.08110	.04830	.05110	.01222	.00470	.09360	.51060
2.201	-2.230	27.08000	1.02100	-.01600	.08230	.05070	.05060	.00300	.00000	.08550	.50900
2.201	5.040	27.10000	1.01100	-.01600	.08310	.04940	-.05920	-.01356	-.00570	.07740	.50450
	GRADIENT	.00029	-.00147	.00035	.00025	.00050	-.01059	-.00250	-.00099	-.00170	-.00017

ANES 97-716 CM229 B26 C9 F8 M7 N28 V0R5 W116 E26

(RB40100) (09 APR 75)

REFERENCE DATA

SRET = 2.4210 50. FT. XREF = 25.5420 IN.  
 LRET = 30.7090 IN. YREF = .0000 IN.  
 BRET = 30.7090 IN. ZREF = .0000 IN.  
 SCALE = .0000

ALPHA = 20.000 ELEVON = .000  
 RUDDER = 10.000 SPOSRK = .000

PARAMETRIC DATA

RUN NO. 239/0 RVL = 2.02 GRADIENT INTERVAL = -5.00/ 5.00

MAON	BETA	ALPHA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
1.950	-9.990	20.34000	.95070	-.02071	.09720	.03260	.14410	.01538	.00570	.08060	.36250
1.950	-5.070	20.32000	.95400	-.03068	.10490	.05580	.07310	.00560	.00420	.07600	.36390
1.950	.230	20.30000	.95070	-.03202	.10930	.05830	.00810	-.00406	.00240	.07860	.36770
1.950	5.010	20.37000	.96300	-.02977	.12060	.05770	-.05050	-.01378	-.00040	.08270	.39020
1.950	9.960	20.35000	.94080	-.02752	.10950	.05450	-.13580	-.02369	-.00240	.08310	.37830
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 240/0 RVL = 2.78 GRADIENT INTERVAL = -5.00/ 5.00

MAON	BETA	ALPHA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
2.201	-13.170	20.41000	.75980	-.01915	.08890	.05010	.13760	.01499	.00850	.09180	.51100
2.201	-5.050	20.39000	.76900	-.01738	.09170	.05340	.06040	.00855	.00410	.08220	.51100
2.201	.060	20.40000	.76350	-.01570	.09220	.05620	.00130	-.00224	.00000	.07560	.51100
2.201	5.070	20.42000	.76520	-.01718	.09270	.05990	-.00410	-.01210	-.00320	.07790	.51100
2.201	13.160	20.42000	.75950	-.01779	.09140	.05800	-.15180	-.01706	-.00340	.07310	.51140
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ORIGINAL PAGE IS  
 OF POOR QUALITY

DATE 19 APR 75

TABULATED FORCE DATA - 04228

PAGE 2

AMES 97-716 04228 B26 C9 F8 M7 N28 V085 W116 E26

(RB4011) (09 APR 75)

## REFERENCE DATA

SREF = 2.4210 50.FT. KMRP = 25.5420 IN.  
 LREF = 36.7090 IN. YMRP = .0000 IN.  
 BREF = 36.7090 IN. ZMRP = .0000 IN.  
 SCALE = .0000

## PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000  
 RUDDER = -10.000 SPEEDBRK = .000

RUN NO. 243/ 0 RV/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

WACH	BETA	ALPHA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
1.550	-9.990	20.34000	.96530	-.02915	.09790	.05230	.13060	.02248	.00160	.00700	.38460
1.550	-5.000	20.33000	.96240	-.03086	.10620	.05520	.05990	.01392	.00000	.08330	.38610
1.550	.100	20.35000	.95750	-.03160	.11030	.05880	-.00330	.00372	-.00160	.07720	.38820
1.550	5.000	20.36000	.94900	-.02331	.10810	.05990	-.00660	-.00078	-.00430	.06830	.38630
1.550	9.970	20.38000	.93530	-.02039	.10220	.05700	-.14570	-.01594	-.00540	.05800	.37910
	GRADIENT	.00007	-.00176	.00035	-.00046	.00021	-.01317	-.00218	-.00056	-.00172	-.00039

RUN NO. 242/ 0 RV/L = 2.76 GRADIENT INTERVAL = -5.00/ 5.00

WACH	BETA	ALPHA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
2.231	-10.160	20.41000	.76590	-.01992	.06940	.05730	.13770	.01856	.00660	.09790	.32070
2.231	-5.000	20.38000	.75340	-.01805	.09250	.05940	.05640	.01242	.00100	.08270	.31700
2.231	.000	20.40000	.73930	-.01618	.09290	.06060	-.00170	.00178	-.00120	.07230	.31480
2.231	5.000	20.41000	.74120	-.01732	.09310	.05830	-.00560	-.00079	-.00079	.07430	.31310
2.231	10.170	20.42000	.73180	-.01772	.09250	.05880	-.15510	-.01324	-.00120	.05530	.31340
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

## REFERENCE DATA

SREF = 2.4210 50.FT. KMRP = 25.5420 IN.  
 LREF = 36.7090 IN. YMRP = .0000 IN.  
 BREF = 36.7090 IN. ZMRP = .0000 IN.  
 SCALE = .0000

## PARAMETRIC DATA

BETA = .000 ELEVON = .000  
 RUDDER = .000 SPEEDBRK = 55.000

RUN NO. 243/ 0 RV/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

WACH	BETA	ALPHA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
1.550	-1.160	.14000	-.03450	.01044	.15850	.07700	-.00790	.00389	.00010	-.03440	.07710
1.550	10.090	.18000	.45260	-.01205	.14120	.05520	-.00330	.00042	.00000	.43600	.13350
1.550	20.330	.22000	.94670	-.02452	.12590	.05540	-.00180	-.00348	.00000	.07950	.36200
1.550	26.970	.25000	1.22200	-.01317	.11480	.02310	-.00410	-.00141	.00040	1.07800	.57460
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000



DATE 10 APR 75

TABULATED FORCE DATA - Q4228

PAGE 3

ANES 97-716 Q4228 B26 C9 F6 M7 N20 V0R5 W116 E26

(RB4012) (09 APR 75)

## REFERENCE DATA

SDET = 2.4210 SQ.FT. YARP = 25.5420 IN.  
 JRT = 30.7930 IN. YARP = .0000 IN.  
 SDET = 30.7930 IN. ZAP = .0000 IN.  
 SCALE = .0000

BETA = .000 ELEVON = .000  
 RUDDER = .000 SPOBRK = 55.000

## PARAMETRIC DATA

RUN NO. 2447 0 RWL = 2.76 GRADIENT INTERVAL = -5.00/ 5.00

MAON	ALPHA	BETA	CN	CLM	CA	CAP	CY	CYN	CL	CD
2.231	-1.140	-1.6000	-0.0990	.00047	.13750	.06780	.00790	-.00002	.00000	-.03960
2.231	10.110	-1.6000	.32000	-.00700	.11900	.06780	.00600	-.00011	.00010	.00990
2.231	20.400	-1.6000	.72770	-.01100	.10310	.04680	.00230	.00072	.00040	.65520
2.231	27.070	-1.5000	1.0100	-.01535	.08800	.03000	-.00160	.00164	.00060	.49210
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ANES 97-716 Q4228 B26 C9 F6 M7 N20 V0R5 W116 E26

(RB4013) (09 APR 75)

## REFERENCE DATA

SDET = 2.4210 SQ.FT. YARP = 25.5420 IN.  
 JRT = 30.7930 IN. YARP = .0000 IN.  
 SDET = 30.7930 IN. ZAP = .0000 IN.  
 SCALE = .0000

BETA = .000 ELEVON = .000  
 RUDDER = .000 SPOBRK = 85.000

## PARAMETRIC DATA

RUN NO. 2447 0 RWL = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MAON	ALPHA	BETA	CN	CLM	CA	CAP	CY	CYN	CL	CD
1.550	-1.100	-1.4000	-0.05460	.00207	.10150	.07690	-.00510	.00113	.00020	-.05440
1.550	10.100	-1.4000	.43740	-.00218	.16130	.05540	-.00070	.00064	.00020	.42090
1.550	20.500	-2.2000	.92790	-.01000	.14090	.03860	.00250	-.00010	.00040	.59650
1.550	27.000	-2.4000	1.00100	-.01132	.12690	.02140	.00080	-.00117	.00070	1.06100
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 2447 0 RWL = 2.76 GRADIENT INTERVAL = -5.00/ 5.00

MAON	ALPHA	BETA	CN	CLM	CA	CAP	CY	CYN	CL	CD
2.231	-1.100	-1.6000	-0.05150	.01012	.15000	.03470	.00840	-.00006	.00020	-.05120
2.231	10.110	-1.6000	.31250	.00120	.13510	.07320	.00560	-.00040	.00010	.09480
2.231	20.400	-1.5000	.71470	-.00591	.11600	.03300	.00320	.00043	.00050	.65120
2.231	27.070	-1.5000	.99700	-.00343	.09610	.03640	-.00460	.00156	.00080	.87000
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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OF POOR QUALITY

DATE 10 APR 75

TABULATED FORCE DATA - 04228

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ANES 97-716 04228 B26 C9 F8 M7 N28 V8R5 W116 E26

(RB4014) ( 09 APR 75 )

## REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 25.5420 IN.  
 LREF = 36.7393 IN. YMRP = .0000 IN.  
 BREF = 36.7393 IN. ZMRP = .0000 IN.  
 SCALE = .0300

## PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000  
 RUDDER = .000 SPDBRK = .000

RUN NO. 2477 0 RV/L = 2.77 GRADIENT INTERVAL = -5.00/ 5.00

	BETA	ALPHA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
MACH	-5.070	10.10000	.34550	-.01432	.10770	.07550	.07900	.00373	.00130	.32690	.13490
2.201	.000	10.10000	.33930	-.01351	.10670	.07580	.09350	.00001	-.00020	.32080	.13410
2.201	4.980	10.09000	.34360	-.01398	.10750	.07590	-.07820	-.00290	-.00230	.32490	.13490
GRADIENT	-.00201	.00086	-.00003	.00016	.00002	-.01641	-.00058	-.00042	.00082	.00016	

ANES 97-716 04228 B26 C9 F8 M7 N28 V8R5 W116 E26

(RB4015) ( 21 MAR 75 )

## REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 25.5420 IN.  
 LREF = 36.7393 IN. YMRP = .0000 IN.  
 BREF = 36.7393 IN. ZMRP = .0000 IN.  
 SCALE = .0300

## PARAMETRIC DATA

MACH = 1.550 ELEVON = .000  
 RUDDER = .000 SPDBRK = .000

RUN NO. 0/ 0 RV/L = 2.02 GRADIENT INTERVAL = -5.00/ 5.00

	BETA	ALPHA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
MACH	-4.940	10.09000	.01920	-.00187	.13810	.09170	.09320	-.00240	.00080	-.01900	.09180
.000	.080	10.10000	-.02550	-.00053	.13860	.09520	.00150	.00059	.00010	-.02530	.09520
.000	5.040	10.08000	-.02070	-.00116	.14060	.09050	-.08990	.00298	-.00140	-.02040	.09650
GRADIENT	-.00398	-.00125	.00027	.00010	.00070	-.01827	.00052	-.00014	-.00014	-.00125	.00068

RUN NO. 0/ 0 RV/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

	BETA	ALPHA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
MACH	-5.070	10.09000	.47340	-.02151	.12170	.07610	.08260	.00160	.00090	.45470	.15820
10.000	.020	10.09000	.47280	-.02162	.12260	.07860	.00670	.00042	.00010	.45180	.16020
10.000	5.010	10.08000	.46470	-.02057	.12480	.08250	-.07340	-.00133	-.00180	.44310	.16250
GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 0/ 0 RV/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

	BETA	ALPHA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
MACH	-5.340	20.32000	.95830	-.03147	.10390	.05450	.07130	.01075	.00240	.87970	.38390
20.000	-.070	20.33000	.95730	-.03263	.10880	.05900	.00830	.00058	.00040	.87710	.38800
20.000	5.230	20.34000	.94920	-.03357	.10560	.05900	-.06300	-.01087	-.00260	.86950	.38530
GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000



DATE 10 APR 75 TABULATED FORCE DATA - 04228

AVES 97-716 04228 B26 C9 F8 M7 N28 V8R5 W116 E26 (RB4015) ( 21 MAR 75 )

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 25.5420 IN.  
LREF = 38.7090 IN. YMRP = .0000 IN.  
BREF = 38.7090 IN. ZMRP = .0000 IN.  
SCALE = .0000

MACH = 1.550 ELEVON = .000  
RUDDER = .000 SFDPRK = .000

PARAMETRIC DATA

RUN NO.	U/D	CA	CLM	CAF	CY	CYN	CBL	CL	CD
ALPHA	BETA	CA	CLM	CAF	CY	CYN	CBL	CL	CD
27.000	-5.710	26.95000	1.23600	-.02603	.09920	.03450	.01846	1.08200	.59860
27.000	-1.190	26.97000	1.23900	-.02735	.10200	.00120	.00149	1.08300	.60350
27.000	5.510	27.00000	1.21700	-.02377	.10160	-.04930	-.01923	1.06300	.59390
GRADIENT									

RUN NO. U/D CA CLM CAF CY CYN CBL CL CD  
GRADIENT INTERVAL = -5.00/ 5.00

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 25.5420 IN.  
LREF = 38.7090 IN. YMRP = .0000 IN.  
BREF = 38.7090 IN. ZMRP = .0000 IN.  
SCALE = .0000

MACH = 2.201 ELEVON = .000  
RUDDER = .000 SFDPRK = .000

PARAMETRIC DATA

ALPHA	BETA	ALPHA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
.000	-4.980	-1.12000	-.02040	-.00936	.12180	.09170	.08960	.00002	-.00010	-.02020	.09170
.000	-4.300	-1.20000	-.02000	-.00900	.12220	.09200	.07800	-.00013	-.00020	-.01980	.09200
.000	-4.080	-1.15000	-.02210	-.00768	.12180	.09180	.09070	.00026	-.000030	-.02190	.09170
.000	4.510	-1.60000	-.01880	-.00691	.12240	.09180	-.08540	.00125	-.00050	-.01850	.09190
.000	4.970	-1.80000	-.00914	-.00914	.12240	.03220	-.09420	.03114	-.00960	-.01810	.09220
.000	4.970	-.00637	-.01180	.00002	.00004	.00002	-.01851	.00013	-.00004	.00019	.00002

RUN NO. U/D CA CLM CAF CY CYN CBL CL CD  
GRADIENT INTERVAL = -5.00/ 5.00

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 25.5420 IN.  
LREF = 38.7090 IN. YMRP = .0000 IN.  
BREF = 38.7090 IN. ZMRP = .0000 IN.  
SCALE = .0000

MACH = 2.77 ELEVON = .000  
RUDDER = .000 SFDPRK = .000

PARAMETRIC DATA

ALPHA	BETA	ALPHA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
10.000	-5.810	10.12000	.35210	-.01507	.10850	.07660	.08800	.00477	-.00120	.33320	-.13720
10.000	-7.60	10.11000	.34530	-.01375	.10700	.07690	.01650	.00055	-.00010	.32640	.13630
10.000	4.310	10.10000	.34340	-.01411	.10840	.07680	-.06400	-.00223	-.00190	.32460	-.13580
GRADIENT		-.00197	-.00037	-.00007	.00022	-.00002	-.01590	-.00055	-.00036	-.00036	-.00010
RUN NO. D/ D RV/L = 2.78 GRADIENT INTERVAL = -5.00/ 5.00											
ALPHA	BETA	ALPHA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
20.000	-.670	20.40000	.74170	-.01649	.09210	.05100	.01150	.00169	.00040	.67400	.31570
20.000	4.440	20.41000	.74290	-.01770	.09270	.06000	-.04960	-.00003	-.00050	.67530	.31530
GRADIENT		.00188	.00023	-.00023	.00011	-.00019	-.01151	-.00202	-.00073	.00024	-.00008

RUN NO. U/D CA CLM CAF CY CYN CBL CL CD  
GRADIENT INTERVAL = -5.00/ 5.00

DATE 10 APR 75

**TABULATED FORCE DATA - Q4228**

(R84016) ( 21 MAR 75 )

AMES 97-716 CM228 B26 C9 F8 M7 N28 V8R3 W116 E26

## PARAMETRIC DATA

## REFERENCE DATA

YREF =	2.4210 30.FT.	XARP =	25.5420 IN.
_REF =	36.7090 IN.	YARP =	.0000 IN.
BREF =	36.7090 IN.	ZARP =	.0000 IN.
SCALE =	.0000		

WACH	=	2.201	ELEVON	=	.000
BUDDER	=	.000	SFDBRK	=	.000

CRABCIANT INTERVAL = -5.00/ 5.00

ALPHA	BETA	ALPHA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
27.000	-6.510	27.06000	1.02800	-.02008	.08070	.04660	.07310	.01543	.00680	.89390	.50890
27.000	-.920	27.07000	1.02100	-.01910	.08190	.05020	.00720	.00305	.00070	.88650	.50950
27.000						.00000	.00000	.00000	.00000	.00000	.00000

(RB4017) ( 21 MAR 75 )

### PARAMETRIC DATA

38CF =	2.4210 SQ. FT.	XMRP =	25.5420 IN.
38EF =	36.7090 IN.	YMRP =	.0000 IN.
38RF =	36.7090 IN.	ZMRP =	.0000 IN.
SCALE =	.0000		

MA04	=	1.550	ELEVON	=	-20.000
RU00R	=	.000	SPDRK	=	.000

2.34	COEFFICIENT INTERVAL =	-5.00/	5.00
------	------------------------	--------	------

	ALPHA	BETA	ALPHA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
	.000	-5.030	-.15003	-.13120	.02333	.16750	.11800	.09393	-.00404	.00960	-.13090	.11640
	.000	-.060	-1.6000	.13520	.02479	.16670	.12160	.00010	.00087	.00050	-.13480	.12230
	.000					.16980	.12290	-.03800	.00534	-.00030	-.12990	.12330
					.02332	.13000			.00000	-.00016	-.00106	.00025

60:5 / 60:5 = 100% DISCOUNT

[illegible]

5.00

[illegible]

DATE 10 APR 75

TABULATED FORCE DATA - 0A22B

PAGE 7

AMES 97-716 0A22B B26 C9 F8 M7 N28 V8R5 W116 E26

(RB4017) ( 21 MAR 75 )

## REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 25.5420 IN.  
 LREF = 36.7090 IN. YMRP = .0000 IN.  
 BREF = 36.7090 IN. ZMRP = .0000 IN.  
 SCALE = .0300

MACH = 1.550 ELEVON = -20.000  
 RUDDER = .000 SPDBRK = .000

## PARAMETRIC DATA

RUN NO. 0/ 0 RV/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	ALPHA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
27.000	-5.100	26.93000	1.13700	-.03185	.10680	.04600	.05520	.01542	.00440	.99330	.55620
27.000	-.060	26.96000	1.14200	-.03335	.10510	.04730	.05220	.00085	.00080	.99680	.55990
27.000	5.180	26.98000	1.12300	.00031	.10820	.04850	-.05780	-.01614	-.00440	.97900	.55290
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

AMES 97-716 0A22B B26 C9 F8 M7 N28 V8R5 W116 E26

(RB4018) ( 21 MAR 75 )

## REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 25.5420 IN.  
 LREF = 36.7090 IN. YMRP = .0000 IN.  
 BREF = 36.7090 IN. ZMRP = .0000 IN.  
 SCALE = .0300

MACH = 2.201 ELEVON = -20.000  
 RUDDER = .000 SPDBRK = .000

## PARAMETRIC DATA

RUN NO. 0/ 0 RV/L = 2.77 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	ALPHA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
.000	-5.090	-1.4000	-.09060	.00592	.13660	.10780	.08850	-.00080	-.00030	-.09030	.10800
.000	.080	-.17000	-.09140	.00729	.13690	.10790	-.00810	.00036	.00000	-.09110	.10820
.000	4.870	-.20000	-.08980	.00645	.13720	.10750	-.09660	.00236	.00010	-.08940	.10790
	GRADIENT	-.00526	.00033	-.00018	.00006	-.00005	-.01848	.00046	.00002	.00035	-.00006

RUN NO. 0/ 0 RV/L = 2.77 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	ALPHA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
10.000	-4.960	10.10000	.28730	-.00013	.11690	.08520	.07230	.00311	.00000	.26790	.13420
10.000	.110	10.10000	.28410	.00036	.11460	.08470	-.00540	-.00026	-.00010	.26480	.13320
10.000	4.630	10.06000	.28160	.00021	.11760	.08530	-.07750	-.00234	-.00070	.26230	.13350
	GRADIENT	-.00201	-.00058	.00004	.00006	.00003	-.01527	.00036	-.00007	-.00037	-.00007

RUN NO. 0/ 0 RV/L = 2.77 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	ALPHA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
20.000	-6.020	20.33000	.68650	-.00252	.09350	.06070	.07030	.01089	.00250	.62240	.29600
20.000	.150	20.33000	.67930	-.00037	.09410	.06250	-.00510	-.00077	-.00010	.61490	.29530
20.000	4.910	20.40000	.67630	.00145	.09500	.05190	-.06400	-.00060	-.00260	.61230	.29370
	GRADIENT	.00210	-.00063	-.00018	.00019	-.00013	-.01237	.00186	-.00053	-.00055	-.00034

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DATE 10 APR 75

TABULATED FORCE DATA - 04228

PAGE 8

(RB4018) ( 21 MAR 75 )

AWES 97-716 04228 B26 C9 F8 M7 N28 V8R5 W116 E26

# REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 25.5420 IN.  
 LREF = 36.7090 IN. YMRP = .0000 IN.  
 BREF = 36.7090 IN. ZMRP = .0000 IN.  
 SCALE = .0300

# PARAMETRIC DATA

MACH = 2.201 ELEVON = -20.000  
 RUDDER = .000 SPDBRK = .000

RUN NO. 0/ 0 RN/L = 2.78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	ALPHA	CN	CLM	CA	CAF	CY	CYN	CBL	CL	CD
27.000	-5.120	27.00000	.95050	-.00142	.00090	.04760	.05430	.01203	.00390	.82500	.47440
27.000	.090	27.07000	.94710	-.00056	.08160	.04630	-.00250	-.00125	.00000	.82140	.47400
27.000	5.110	27.09000	.93810	-.00050	.08260	.04650	-.06600	-.01325	-.00430	.81310	.47040
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000



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TABULATED PRESSURE DATA

ARC97-716 JAZZ CI

CRB. FUSCLAGE

(RB4805) ( 10 OCT 73 )

## REFERENCE DATA

SMET =	2.4210 50.FT.	XRP =	29.5800 INCHES
LAET =	38.7090 INCHES	YRP =	.0000 INCHES
ORET =	38.7090 INCHES	ZRP =	.0000 INCHES
SCALE =	.0000 SCALE		

**WACH ( 1 ) = 2.201      BETA ( 1 ) = -5.390**

## SECTION ( 1 ) ORBITER FUSELAGE

## DEPENDENT VARIABLE: CE

$x/\lambda_B$	$\beta_{00}$	$\beta_{01}$	$\beta_{02}$	$\beta_{03}$	$\beta_{04}$	$\beta_{05}$
0.0000	0.0080	0.0230	0.0470	0.0700	0.1120	0.1590
0.0050	0.0080	0.0230	0.0470	0.0700	0.1120	0.1670
0.0100	0.0080	0.0230	0.0470	0.0700	0.1120	0.1780
0.0150	0.0080	0.0230	0.0470	0.0700	0.1120	0.2050
0.0200	0.0080	0.0230	0.0470	0.0700	0.1120	0.2520
0.0250	0.0080	0.0230	0.0470	0.0700	0.1120	0.3010
0.0300	0.0080	0.0230	0.0470	0.0700	0.1120	0.3790
0.0350	0.0080	0.0230	0.0470	0.0700	0.1120	0.4990
0.0400	0.0080	0.0230	0.0470	0.0700	0.1120	0.5760

III

	1.2260	1.5860	1.1420	.8990	.7580	.0030	.5475	.5193	.4932	.4695	.4589	.4547	.4569
.000													
20.000			1.1970	.9486	.7949	.6452	.5163	.5325					
40.000			1.0930	.9015	.7703	.6229	.5092	.4397	.3763	.4228	.4707	.5001	
55.000			.7930	.5935	.4513	.2567	.1635	.1313					.5345
70.000			.5812	.4225	.3367	.2432	.2032	.1614	.0123	.0132	.0252	.1989	
90.000		.6187	.4335	.3059	.2293	.1785	.1571	.1147	.0310	.0381	.0074	.0012	
120.000			.2204	.0827	.0131	.0642	.0919	.0772	.1555	.2439	.2397	.2286	
140.000								.0148					
150.000			.0068	-.0439	-.0842	-.0853		.0159	-.2359	-.2508	-.2658	-.2653	

...

X/LB	.6550	.7500	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480
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[illegible]

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A228

ORB. FUSELAGE (RB4805)

ARC97-716 0A22 01

MACH ( 1 ) = 2.201 BETA ( 2 ) = -5.000

SECTION ( 1 ) ORBITER FUSELAGE DEFENDENT VARIABLE CP

X/LB	.0000	.0000	.0230	.0470	.0700	.1120	.1530	.1670	.1780	.2030	.2520	.3010	.3790	.4990	.5760
PMI															
.000	1.2270	1.5860	1.1460	.8993	.7468	.0000		.5458		.5188	.4950	.4700	.4591	.4583	.4587
20.000		1.1940	.9466	.7980	.6514			.5141		.5308		.4313	.3679	.4152	.4988
40.000			1.0830	.8935	.7650	.6186		.5031		.4313		.3679	.4152	.4988	.5390
55.000				.7888	.5879	.4496	.2500	.1510		.1159		.0040	.0047	.0202	.2034
70.000				.5705	.4208	.3389	.2310	.1964		.1517		.0357	.0129	.0395	.0060
90.000				.6105	.4250	.3108	.2326	.1681		.1032		.0357	.0129	.0395	.0060
120.000				.2152	.0877	.0006	.0631			.0437		.0389	.2360	.2480	.2641
140.000				.0660	.0302	.0631	.0828		.2747						
150.000															
151.000									.2806						
156.000															
162.000									.2875						
165.000															
169.000															
174.000															
180.000	1.2270	.1629	-.0069	-.0299	-.0361	-.0379		.3655		-.1851	-.2250	-.1753	-.1614	-.1761	
X/LB	.6330	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					

PMI															
.000	.5195	.0995	.5355	.4885	.4236	.4091	.3405		.3472	.3553					
40.000	.5534	.5785	.6100	.5632	.4673	.4390	.3383		.2785	.2304					
70.000	-.2073	.1750	-.1970	-.2046	-.1968	-.1987	-.1980								
90.000	-.1271	-.1926	-.2532	-.2546	-.1815	-.2161	-.2137								
105.000		-.2107	-.1938	-.2204	-.1978	-.1738									
110.000															
120.000	-.1424	-.1675	-.0898	.0737	-.1333	-.1762	-.1663								
130.000			-.0156	-.0610	-.1865	-.1813	-.1727								
150.000	-.1771	-.1549	-.0837	-.0515	-.1392	-.1654	-.1975								
165.000	-.1852		-.0913		-.0585	-.1514	-.2012								
180.000	-.1982	-.1734	-.1492	-.0112											

MACH ( 1 ) = 2.201 BETA ( 3 ) = -.230

SECTION ( 1 ) ORBITER FUSELAGE DEFENDENT VARIABLE CP

X/LB	.0000	.0000	.0230	.0470	.0700	.1120	.1530	.1670	.1780	.2030	.2520	.3010	.3790	.4990	.5760
PMI															
.000	1.2250	1.5790	1.1320	.8856	.7392	.0000		.5425		.5170	.4892	.4698	.4674	.4630	.4655
20.000		1.1240	.8783	.7392	.6129			.5114		.5028		.3471	.2378	.3603	.4189
40.000			.9354	.7656	.6507	.5175		.4186		.3471		.2378	.3603	.4189	.4667
55.000				.6219	.4306	.3038	.1271	.0090		-.0422		-.0513	-.0496	-.0905	-.2231
70.000				.4239	.2841	.2185	.1267	.0949		.0688		-.0496	-.0496	-.0585	-.0831
90.000				.4942	.3377	.2323	.1351	.0720		.0350		-.0821	-.0605	-.0585	-.0831



**WACH ( 1 ) = 2.251      BETA ( 3 ) = -.230**

ARC97-716 DA22 01

ORG. FUSELAGE (R04B05)

## DEPENDENT VARIABLE CP

X/LB	.0000	.0060	.0200	.0470	.0700	.1120	.1990	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
MI															
120.000			.1174	.0371	-.0356	-.0949		-.1035		-.0902	-.1270	-.2068	-.2447	-.1898	
140.000										.0313					
150.000			.0406	-.0324	-.0548	-.0660				-.0162	-.2245	-.2361	-.2211	-.2504	
151.000									.2608						
156.000								.3052							
162.000									.3958						
165.000										-.1569	-.2245	-.2029	-.1519	-.1908	
169.000								.4358							
174.000							.2855								
180.000	1.2290	.1505	-.0126	-.0125	-.0231	-.0291		.4068		-.1963	-.2245	-.1546	-.1307	-.1215	
X/LB	.6330	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					

## 三

1000	5177	1936	5324	4757	4168	4002	3339	3418	3474
40,000	5332	5113	5585	5255	4431	4144	3221	2773	2421
75,000	2418	5208	2011	2084	2019	1993	1851		
90,000	2436	2342	2882	2879	1976	2453	2429		
105,000			2794	2343	2519	2532	2414		
110,000								-2096	
120,000	1602	1806	1273	0037	1927	2174	1871	1939	
135,000		0125	0588	1920	1831	1759			
150,000	1999	1469	1343	0312	1650	1982			
165,000	1808	1512	1312	0020	1048	1614			
180,000	1803	1584	1448	0003					

$$\text{MAOX} (1) = 3.291 \quad \text{BETA} (4) = 5.040$$

SECTION ( ) ORBITER FUSELAGE

W/LB	.0000	.0000	.0000	.0250	.0475	.0700	.1125	.1550	.1675	.1780	.2050	.2520	.3010	.3730	.4930	.5760
PMI	.0000	1.2230	1.5810	1.1350	.8856	.7417	.0020		.3374		.5148	.4946	.4669	.4650	.4571	.4722
20.000		1.0650	.8245	.7065	.5945				.4765		.4718					
40.000		.7899	.6548	.5402	.4158				.3382		.2674	.1959	.2620	.3483	.4149	.4705
55.000		.4754	.2973	.1683	.0141				-.1055		-.1458					
75.000		.2972	.1756	.1115	.0368				.0161		-.1019	-.1039	-.1120	-.2451	-.2342	
90.000	.3780	.2161	.1162	.0589	.0122				-.0050		-.0327	-.1292	-.1173	-.1244	-.2152	
120.000		.0878	.0023	-.0559	-.0803				-.0863		-.0534	-.1191	-.1757	-.2609	-.1656	
140.000											.0180					
150.000		.0154	-.0265	-.0433	-.0439						-.0345	-.2283	-.2263	-.1923	-.1930	
151.000									.3345	.2480						
156.000																
162.000										.3102						



## REFERENCE DATA

WAVEF =	2.4210	50.0°	XWR =	29.5000	INCHES
WAVEF =	30.7000	INCHES	WWR =	.0000	INCHES
WAVEF =	30.7000	INCHES	ZWR =	.0000	INCHES
SCALE =	.0000 SCALE				

MAC (1) = 1.55 BETA (1) = -9.993

SECTION ( ) ORBITER FUSELAGE

[illegible]

DATE 09 APR 75

TABULATED PRESSURE DATA - 04228

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ARC97-716 0422 01

ORB. FUELAGE

(RB4B10)

MACM (1) = 1.350 BETA (2) = -5.070

## SECTION (1) ORBITER FUELAGE

DEPENDENT VARIABLE CP

W/LB	.0000	.0060	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2030	.2520	.3010	.3790	.4990	.5760
MACI															
.000	1.2630	1.3950	.9144	.6663	.5372	.0000		.3660		.3430	.3122	.2965	.3023	.3053	.3075
20.000			.9707	.7333	.5847	.4680		.3707		.3587					
40.000			.9421	.7326	.5905	.4710		.3674		.3035	.2637	.2648	.3100	.3377	.3604
55.000			.7710	.5486	.4382	.2424		.1819		.1292					
70.000			.6219	.4342	.3361	.2266		.1779		.1225	-.0846	-.0712	-.0232	-.1364	
90.000		.6426	.4912	.3401	.2448	.1675		.1315		.0781	-.1203	-.0405	-.0198	-.0512	
120.000		.3038	.1246	.0382	-.0029			-.0176		.1258	-.0859	-.2425	-.4328	-.3584	
140.000										.1215					
160.000		.1418	-.0099	-.0279	.0110				.4905	.0196	-.4333	-.4385	-.3931	-.4588	
180.000								.4558							
195.000									.3745						
165.000															
169.000															
174.000															
183.000	1.2630	.1948	.0387	.0162	-.0038	.0228	.3480			-.3033	-.4052	-.3787	-.2726	-.2799	
W/LB	.6530	.7300	.7810	.8230	.8620	.9230	.9630	1.0020	1.0210	1.0480					
MACI															
.000	.3627	-.1353	.4230	.3628	.3218	.2801	.1868		.1837	.1781					
40.000	.4143	.4341	.4863	.4254	.3145	.2737	.1583		.0919	.0338					
70.000	.2974	.4658	-.4271	-.4483	-.4437	-.4350	-.3665								
90.000	-.1029	-.2619	-.4047	-.3608	-.3230	-.3217	-.2892								
130.000		-.2750	-.2248	-.2718	-.2952	-.2919									
150.000	-.2676	-.2843	-.0618	.0924	-.2387	-.2852	-.2820	-.3058							
155.000			.0782	-.0324	-.2534	-.2357	-.2463	-.2360							
180.000	-.2368	-.1611	-.0030	.0505	-.3582	-.2912	-.2865								
165.000	-.2315		.0142												
180.000	-.1360	-.1571	-.1743	.2270											

MACM (1) = 1.350 BETA (2) = .200

## SECTION (1) ORBITER FUELAGE

DEPENDENT VARIABLE CP

W/LB	.0000	.0060	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2030	.2520	.3010	.3790	.4990	.5760
MACI															
.000	1.2750	1.3740	.9203	.6998	.5531	.0000		.3740		.3459	.3089	.2912	.3004	.3041	.3161
20.000			.9273	.7032	.5528	.4370		.3469		.3353					
40.000			.8126	.6344	.5083	.3811		.2822		.2128	.1737	.2268	.2647	.3021	.3419
55.000			.5971	.3981	.2796	.0932		.0431		.0312					
70.000			.4630	.2947	.2067	.1195		.0828		.0259	-.1177	-.1374	-.0994	-.1031	
90.000		.4817	.3750	.2278	.1434	.0736		.0398		.0212	-.1187	-.0857	-.0874	-.1337	



DATE 09 APR 75

TABULATED PRESSURE DATA - 0A22B

PAGE 7

MACH (1) = 1.550 BETA (3) = .000

ARC97-716 0A22 01

ORB. FUSELAGE

(RB4810)

## SECTION (1) ORBITER FUSELAGE

DEPENDENT VARIABLE CP

X/LB	.0000	.0000	.0250	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
120.000			.2442	.0772	-.0223	.0054		.0537		.0956	-.1350	-.2734	-.4801	-.2714	
140.000									.0626						
150.000			.1251	.0166	-.0062	.0221			-.0300	-.4325	-.4016	-.2411	-.2291		
151.000								.5337	.4877						
156.000															
162.000								.5796		-.2956	-.4058	-.3036	-.1734	-.0934	
165.000								.6915							
169.000															
174.000							.4804	.7389	-.4031	-.4041	-.2401	-.1544	-.0678		
180.000	1.2750	.1882	.0504	.0474	.0159	.0381									
X/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9530	1.0020	1.0210	1.0480					

PMI

.000	.3523	-.1243	-.4420	.4044	.3397	.2949	.1988								
40.000	.3601	.4125	.4811	.4225	.3242	.2883	.1758	.2001	.1928						
70.000	-.3547	.4390	-.4374	-.4529	-.4470	-.4172	-.3557	.1142	.0525						
90.000	-.2415	-.3774	-.4605	-.4278	-.3766	-.3836	-.3537								
105.000		-.2519	-.3113	-.3083	-.3740	-.3427									
110.000							-.3394								
120.000	-.1384	-.1481	-.0429	.0020	-.2711	-.2705	-.2707								
135.000		.0634	-.0224	-.0159	-.1690	-.2133									
150.000	-.1752	-.1735	.1307	.3655	-.2376	-.2542	-.3126								
165.000	-.1471		-.1469		.3969	-.1187	-.2142								
180.000	-.1434	-.0909	-.1264	.3348											

MACH (1) = 1.550 BETA (4) = 5.010

## SECTION (1) ORBITER FUSELAGE

DEPENDENT VARIABLE CP

X/LB	.0000	.0000	.0250	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
.000	1.2540	1.3690	.9315	.7142	.5698	.0000		.3763		.3616	.3268	.3048	.3099	.3003	.3308
20.000			.8830	.6851	.5343	.4138		.3240		.3168					
30.000			.0869	.5395	.4216	.2910		.2020		.1193	.0876	.1319	.2194	.2664	.3243
50.000			.4419	.2035	.1440	-.0013		-.1044		-.1474					
70.000			.3199	.1793	.1111	.0176		-.0168		-.0479	-.1835	-.1779	-.1816	-.4213	
90.000	.3746		.2594	.1569	.0804	-.0053		-.0070		-.0115	-.1650	-.1172	-.1414	-.1993	
120.000		.1791	.0395	-.0418	-.0181			.0248		.0650	-.1672	-.2964	-.4194	-.2408	
140.000										-.0105					
150.000		.0857	.0399	-.0316	.0228			-.2117	-.4148	-.3415	-.1747	-.1227			
151.000								.3906							
156.000								.5078							
162.000								.4390							

DATE 09 APR 75

## TABULATED PRESSURE DATA - QAZ28

PAGE 8

MACH (1) = 1.350 BETA (4) = 5.010

OIB. FUSELAGE (RB4810)

## SECTION 1 (1) ORBITER FUSELAGE

DEPENDENT VARIABLE OF

X/LB	.0000	.0080	.0200	.0400	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PW1															
165.000															
169.000															
174.000															
180.000	1.2540	.1732	.0379	.0530	.0206	.0310	.3606	.6213							
X/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					

-2954 -3963 -2513 -1600 -0707

-3687 -3924 -2715 -1940 -1046

1.0480

PW1

X/LB	.0000	.0080	.0200	.0400	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
165.000															
169.000															
174.000															
180.000	1.2540	.1732	.0379	.0530	.0206	.0310	.3606	.6213							
X/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					

-4106

-3569

-3163

-3270

-1975

-1622

MACH (1) = 1.350 BETA (5) = 9.980

## SECTION 1 (1) ORBITER FUSELAGE

DEPENDENT VARIABLE OF

X/LB	.0000	.0080	.0200	.0400	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PW1															
20.000															
40.000															
55.000															
70.000															
80.000															
120.000															
140.000															
150.000															
160.000															
174.000															
180.000	1.2150	1.3250	.9042	.7052	.5609	.0000	.3811	.3966	.3269	.3112	.3046	.2999	.3038	.2759	
X/LB	.0000	.0080	.0200	.0400	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760

.2914

.0450

.3329

-.0939

-.0357

.0143

-.1073

-.2794

-.2650

-.1287

-.0661

.3215

.3791

.4587

.5570

.5550

.3185

.0024

.9630

1.0020

1.0210

1.0480

DATE 09 APR 75

TABULATED PRESSURE DATA - OA228

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ARC97-716 OA22 Q1

ORB. FUSELAGE

(RB4810)

MACH (1) = 1.550 BETA (5) = 9.980

SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.6530	.7500	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480
PMI										
.000	.3581	-.1401	.4239	.3606	.2848	.2505	.1586		.1753	.1707
40.000	.3263	.3367	.4001	.3609	.2815	.2505	.1660		.1432	.0817
70.000	-.4196	.3367	-.3937	-.3745	-.3030	-.3437	-.2835			
90.000	-.4122	-.4334	-.4682	-.4612	-.4117	-.3865	-.3570			
105.000		-.3931	-.4321	-.4482	-.4392	-.3772				
110.000							-.3034			
120.000	-.1626	-.2623	-.2898	-.3411	-.3711	-.3499	-.3586	-.3871		
135.000		.4592	.1108	-.0640	-.1093	-.1668				
150.000	-.1109	-.1290	-.0106	.1604	.0932	-.0439	-.1631			
165.000	-.1439	-.1932		.2471	-.0291	-.1592				
180.000	-.3374	-.3321	-.1787	.1452						

MACH (2) = 2.801 BETA (1) = -10.170

SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE C<sub>p</sub>

X/LB	.0000	.0080	.0230	.0470	.0750	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5780
PMI															
.000	1.3630	1.4110	.9016	.6739	.5327	.0000		.3737	.3497	.3306	.3197	.2978	.2942	.2926	
20.000		1.0250	.7770	.6420	.4773		.3725		.3815	.3920	.3925	.3913	.3689	.3990	
40.000		1.1060	.8588	.7313	.5760		.4812		.3978	.3920	.3925	.3913	.3689	.3990	
55.000		.9738	.7508	.6210	.4163		.3531		.2896	.3531	.3925	.3913	.3689	.3990	
70.000		.8074	.5132	.5021	.3786		.3175		.2591	.0711	.0908	.0907	.0620		
90.000	.8620	.6549	.4996	.3887	.3092		.2561		.2123	.0374	.0612	.0693	.0785		
120.000		.4115	.2453	.1248	.0677		.0342		.0813	-.0082	-.1140	-.2177	-.2179		
140.000									.1635						
150.000		.2100	.0758	-.0017	-.0216				.1199	-.2178	-.2313	-.2347	-.2496		
151.000								.4428							
156.000								.4392							
162.000															
165.000															
169.000															
174.000															
180.000	1.3030	.3101	.0991	-.0032	-.0295	-.0179	.3509								
X/LB	.6530	.7500	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					

X/LB	.6530	.7500	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480
PMI										
.000	.3515	-.2369	.3541	.3165	.2641	.2472	.1890		.1873	.1888
40.000	.4043	.4137	.4398	.4328	.3107	.2847	.2028		.1509	.1169
70.000	-.0772	.4179	-.1633	-.1866	-.1637	-.1568	-.1593			
90.000	.1021	.0427	-.1052	-.1342	-.0484	-.0693	-.0925			
105.000		-.0684	.0432	.0316	-.0596	-.0947				
110.000										

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OF POOR QUALITY

(R84B10)

CRB. FUSELAGE

MACH ( 2 ) = 2.201 BETA ( 1 ) = -10.173

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .6530 .7300 .7810 .8230 .8620 .9230 .9630 1.0020 1.0210 1.0480

PMI

120.000 -.1916 -.1697 -.0926 .2822 -.0440 -.0922 -.1048 -.1349  
135.000 -.0337 -.0873 -.1978 -.1968 -.2156  
150.000 -.1908 -.1699 -.1293 -.0957 -.1943 -.2192 -.2294  
165.000 -.2609 -.2609 -.1822 -.1748 -.2177 -.2019  
180.000 -.2589 -.2431 -.1888 -.1151

MACH ( 2 ) = 2.201 BETA ( 2 ) = -5.050

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .0000 .0080 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2030 .2520 .3010 .3790 .4990 .5760

PMI

.000 1.4260 1.4550 .9230 .5817 .5515 .0000 .3714 .3450 .3251 .3076 .2937 .2896 .2898  
20.000 .9934 .7427 .6143 .4643 .3555 .3631 .3251 .2798 .3035 .3302 .3297 .3623  
40.000 .9754 .7523 .6374 .4972 .3858 .3858 .2173 .1659 .1584 .1172 .0308 -.0143 -.0043  
55.000 .7909 .5843 .4648 .2880 .2173 .2068 .1562 .1172 .0307 -.0226 -.1204 -.2316 -.2299  
70.000 .6341 .4570 .3652 .2534 .2068 .1662 .0307 -.0226 -.1204 -.2316 -.2299  
90.000 .7133 .5152 .3699 .2778 .2521 .0302 .1284 .0482 -.2154 -.2291 -.2316 -.2510  
120.000 .3239 .1880 .0862 .0302 .4417 .5223  
140.000 .1755 .0526 .0134 -.0074 .4817 .5223  
150.000 .3052 .0820 .0441 .0246 .5455 .4727 .3770  
160.000 .3052 .0820 .0441 .0246 .5455 .4727 .3770  
174.000 .3052 .0820 .0441 .0246 .5455 .4727 .3770  
180.000 .3052 .0820 .0441 .0246 .5455 .4727 .3770

X/LB .6530 .7300 .7810 .8230 .8620 .9230 .9630 1.0020 1.0210 1.0480

PMI

.000 .3390 -.1456 .3424 .2937 .2522 .2347 .1773 .1855 .1881  
40.000 .3727 .3793 .4050 .3700 .2910 .2649 .1860 .1405 .0979  
70.000 .1958 .3800 .1909 .2122 .1991 .1936 .1984  
90.000 .0180 .0371 .1885 .2129 .1346 .1539 .1604  
105.000 .1293 .0903 .0906 .1335 .1430  
110.000 .1731  
120.000 .1624 .1609 .0777 .2109 .0903 .1349 .1396 .1735  
135.000 .0374 .0351 .2069 .2043 .2140  
150.000 .2016 .1839 .0859 .0599 .1853 .2055  
165.000 .2419 .0948 .1619 .2271 .2120  
180.000 .1454 .1312 .1738 .0253

DATE 09 APR 73 TABULATED PRESSURE DATA - 0A228

ORB. FUSELAGE (RB4810)

ARC97-716 0A22 01

MACH ( 2 ) = 2.201 BETA ( 3 ) = .060

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0380	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
.000	1.4140	1.4520	.9273	.6770	.5474	.0000		.3635		.3472	.3252	.3063	.2981	.3032	.2969
20.000			.9368	.6891	.5628	.4339		.3472		.3374					
40.000			.8291	.6414	.5304	.3937		.3178		.2375	.1978	.2392	.2937	.3020	.3397
55.000			.6201	.4325	.3133	.1548		.0762		.0451					
70.000			.4717	.3182	.2381	.1393		.1009		.0677	-.0629	-.0588	-.0392	-.1778	
90.000		.5766	.3810	.2510	.1731	.1038		.0743		.0396	-.0837	-.0652	-.0648	-.0575	
120.000			.2338	.1270	.0350	-.0036		-.0195		.0633	-.0430	-.1304	-.2330	-.1995	
140.000										.0740					
150.000			.1353	.0486	.0174	.0036			.3423	-.0343	-.2117	-.2146	-.1788	-.2287	
151.000								.3511							
156.000									.4862						
162.000								.5316		-.1266	-.2109	-.1844	-.1326	-.0947	
165.000															
169.000															
174.000															
180.000	1.4140	.2913	.0712	.0496	.0345	.0195	.3081	.5201		-.1702	-.2102	-.1494	-.1204	-.0630	
X/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					

PMI															
.000	.3460	-.1152	.3448	.2943	.2414	.2327	.1776		.1849	.1844					
40.000	.3552	.2913	.3754	.3395	.2634	.2414	.1718		.1370	.1079					
70.000	-.2064	.3336	-.1983	-.2198	-.2152	-.2173	-.2112								
90.000	-.1332	-.1458	-.2514	-.2451	-.1910	-.2222	-.2197								
105.000			-.2086	-.1855	-.2010	-.2090	-.2085								
110.000								-.2155							
120.000	-.1466	-.1558	-.0521	.1142	-.1384	-.1720	-.1674	-.1777							
135.000			.0693	.0181	-.1715	-.1343	-.1200								
150.000	-.1471	-.1138	-.0346	.0734	-.1301	-.1569	-.1845								
165.000	-.1509		-.1408	.0880	-.0030	-.1024									
180.000	-.1293	-.1118	-.1406	.0468											
MACH ( 2 ) = 2.201 BETA ( 4 ) = 5.070															

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0380	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
.000	1.4090	1.4510	.9274	.6800	.5570	.0000		.3655		.3459	.3193	.3016	.2988	.2891	.2831
20.000			.8916	.6438	.5336	.4164		.3220		.3100					
40.000			.7029	.5477	.4444	.3033		.2399		.1697	.1211	.1580	.2261	.2674	.3002
55.000			.4763	.3011	.1888	.0419		-.0898							
70.000			.3400	.2047	.1362	.0488		.0273		-.0082	-.1155	-.1175	-.1145	-.2306	
90.000		.4580	.2700	.1574	.0875	.0270		.0084		-.0215	-.1199	-.1041	-.1036	-.1199	

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422B

ORB. FUSELAGE (RB4B10)

ARC97-716 0422 01

MACH ( 2 ) = 2.201 BETA ( 4 ) = 5.070

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

PMI

120.000			.1708	.0787	.0058	-.0128		.0121		.0113	-.0869	-.1515	-.2376	-.1715	
140.000										.0120					
190.000			.0966	.0514	.0170	.0084				-.0657	-.2197	-.1987	-.1296	-.1065	

.2734

.2670

.4794

.5393

.2541

.4696

-.1748

-.2193

-.1771

-.1432

-.1647

1.0020

1.0210

1.0480

PMI

.0000			.3401	-.1627	.3498	.3018	.2462	.2402	.1786						
40.000			.3320	.3230	.3086	.2503	.2302	.1657		.1815	.1790				
70.000			-.2444	.3230	-.2011	-.2229	-.2173	-.2153	-.1985	.1427	.1215				
90.000			-.2276	-.1734	-.2770	-.2739	-.2524	-.2549	-.2391						
105.000					-.2400	-.2379	-.2522	-.2617	-.2398						
110.000															
120.000			-.1027	-.1270	-.0910	-.0321	-.1987	-.2179	-.1782						
135.000					.0240	-.0149	-.1895	-.1364	-.1537						
150.000			-.1085	-.1149	-.1026	.1827	.0326	-.0102	-.0809						
165.000			-.1025		-.1374		.3263	.1030	-.0186						
180.000			-.1632	-.1635	-.1871	-.0323									

MACH ( 2 ) = 2.201 BETA ( 5 ) = 10.180

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
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PMI

.0000			1.3470	1.3990	.9021	.6640	.5458	.0000		.3434	.3155	.3020	.3034	.2759	.2795
20.000					.8076	.5709	.4732	.3857		.2784					
40.000					.5590	.4237	.3377	.2115		.0956	.0437	.0920	.1716	.2275	.2739
55.000					.3267	.1642	.0907	-.0636		-.1807					
70.000					.2052	.0892	.0380	-.0267		-.0659	-.1473	-.1441	-.2425	-.2354	
90.000			.3245		.1585	.0653	.0117	-.0301		-.0539	-.1277	-.1048	-.1187	-.1982	
120.000					.0378	.0295	-.0290	-.0260		.0126	-.1030	-.1676	-.2065	-.1199	
140.000										-.0724					
160.000					.0477	.0303	.0054	-.0189		-.1058	-.2224	-.1744	-.1192	-.0873	
180.000															
200.000															
220.000															
240.000															
260.000															
280.000															
300.000															
320.000															
340.000															
360.000															
380.000															
400.000															
420.000															
440.000															
460.000															
480.000															
500.000															
520.000															
540.000															
560.000															
580.000															
600.000															
620.000															
640.000															
660.000															
680.000															
700.000															
720.000															
740.000															
760.000															
780.000															
800.000															
820.000															
840.000															
860.000															
880.000															
900.000															
920.000															
940.000															
960.000															
980.000															
1000.000															



DATE 09 APR 75

PR. FUSE-AGE  
(RB4810)

ARC97-716 QAZZ Q1

$\text{MACH} (2) = 2.201$        $\text{BETA} (5) = 10.160$

SECTION 1 ORBITER FUSELAGE

[illegible]

(RB4B11) ( 10 OCT 75 )

ORB. FUSELAGE

ARC97-716 QAZ2 Q1

## REFERENCE DATA

SHEF = 2.4210 34.FT. XMRP = 29.5803 INCHES  
 LREF = 36.7090 INCHES YMRP = .0000 INCHES  
 BREF = 36.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0000 SCALE

MACH ( 1 ) = 1.550 BETA ( 1 ) = -9.990

## PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000  
 RUDDER = -10.000 SPOBRK = .000

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
.000	1.2460	1.3430	.9189	.6994	.5543	.0000		.3707		.3495	.3206	.3055	.2981	.3038	.3021
20.000		1.0240	.7935	.6380	.5001			.3932		.3848					
40.000		1.0790	.8443	.7125	.5724			.4719		.3966	.3701	.3527	.3485	.3739	.3912
55.000			.9398	.7242	.5918	.3985		.3178		.2432					
70.000			.7881	.6022	.4710	.3508		.2875		.2147	-.0037	.0217	.0337	-.0006	
90.000		.8097	.6261	.4834	.3516	.2751		.2290		.1584	-.0684	.0182	.0344	.0289	
120.000			.3874	.2118	.0569	.0042		-.0348		.1303	-.0385	-.2065	-.4402	-.4522	
140.000										.1835					
150.000			.1712	.0027	-.0451	-.0237			.5826	.0502	-.4356	-.4536	-.4626	-.4801	
151.000								.6509							
156.000									.6136						
162.000										-.3280	-.4366	-.4355	-.3778	-.3966	
165.000															
169.000															
174.000															
180.000	1.2460	.2230	.0448	-.0063	-.0200	-.0072	.3501	.4975		-.3679	-.4135	-.3708	-.2963	-.3624	
X/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					
PMI															
.000	.3801	.3510	.4370	.3836	.3013	.2412	.1569		.1574	.1538					
40.000	.4370	.4949	.5174	.4522	.3161	.2469	.1335		.0732	.0238					
70.000	-.2080	-.1039	-.3683	-.4122	-.3709	-.3445	-.2946								
90.000	.0079	-.1825	-.3020	-.3171	-.1859	-.1826	-.2013								
105.000		-.2150	-.1028	-.1518	-.1882	-.2160									
110.000															
120.000	-.2583	-.2773	-.1952	.2197	-.1909	-.2327	-.2548								
135.000		-.0689	-.1340	-.3414	-.3458	-.3852									
150.000	-.4621	-.2978	-.1088	-.0289	-.3903	-.3195									
165.000	-.4511		-.1253		-.3993	-.4334	-.2837								
180.000	-.2917	-.2967		.2160											





DATE 09 APR 75 TABULATED PRESSURE DATA - 04229

(RB4B11)

ORB. FUSELAGE

ARC97-716 0422 01

WACH ( 1 ) = 1.550 BETA ( 2 ) = -5.080

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0380	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
.000	1.2640	1.3600	.9146	.6917	.5200	.2000		.3636		.3429	.3109	.2980	.2947	.3013	.3074
20.000			.9731	.7377	.5697	.4331		.3671		.3585					
40.000			.9433	.7215	.5810	.4559		.3641		.3016	.2618	.2832	.3043	.3322	.3628
55.000			.7682	.5312	.4228	.2168		.1792		.1229					
70.000			.6172	.4129	.3181	.2205		.1719		.1202	-.0852	-.0723	-.0340	-.1497	
90.000			.6417	.4891	.3150	.2209	.1589	.1264		.0794	-.1217	-.0502	-.0290	-.0622	
120.000			.3038	.1033	-.0277	-.0271		-.0271		.1281	-.0855	-.2532	-.4628	-.3716	
140.000										.1179					
150.000			.1429	-.0437	-.0624	.0028			.4938	.0218	-.4361	-.4525	-.3991	-.4724	
151.000								.4261							
156.000									.5777	-.3015	-.4042	-.3498	-.2864	-.2910	
162.000								.5518							
163.000							.3482			-.3677	-.4009	-.2840	-.1889	-.0835	
169.000															
174.000															
180.000	1.2640	.1919	.0373	-.0185	-.0352	.0174		.5972		-.3677	-.4009	-.2840	-.1889	-.0835	
X/LB	.6530	.7330	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					

PMI															
.000	.3697	.0757	.4228	.4347	.3370	.2736	.1883		.1833	.1738					
40.000	.4122	.4722	.4877	.4375	.3323	.2776	.1605		.0892	.0297					
70.000	.2954	.2382	-.4202	-.4334	-.4241	-.4304	-.3790								
90.000	-.1172	-.2852	-.3931	-.3454	-.3250	-.3227	-.2914								
105.000		-.2552	-.2089	-.2755	-.2367	-.2320									
110.000							-.3118								
120.000	-.2667	-.2806	-.0469	.1382	-.2337	-.2845	-.2876	-.2925							
135.000			.0310	-.0132	-.2505	-.2334	-.2500								
150.000	-.2374	-.1603	.0110	.0731	-.3662	-.2931	-.2853								
165.000	-.2377		.0252		-.2479	-.4199	-.2978								
180.000	-.1352	-.1550	-.1586	.2421											

WACH ( 1 ) = 1.550 BETA ( 3 ) = .180

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
.000	1.2790	1.3740	.9247	.6989	.5495	.0000		.3665		.3429	.3062	.2902	.3013	.3013	.3136
20.000			.9274	.7039	.5495	.4391		.3426		.3305					
40.000			.8076	.6324	.5023	.3844		.2741		.2081	.1709	.2254	.2596	.2981	.3410
55.000			.5929	.3908	.2763	.0961		.0377		-.0034					
70.000			.4623	.2920	.2355	.1110		.0753		.0250	-.1510	-.1416	-.1037	-.3085	
90.000			.4927	.3697	.2248	.1341	.0678	.0517		.0152	-.1510	-.0877	-.0910	-.1451	

ORB. FUSELAGE (R84B11)

MACH (1) = 1.550 BETA (3) = .100

SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE OF

X/LB .0000 .0060 .0230 .0470 .0730 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

PMI

120.000 .2430 .0829 -.0288 -.0226 .0347 .0947 -.1331 -.2785 -.4657 -.2779

140.000 .0549 .0549 .0549 .0549 .0549 .0549 .0549 .0549 .0549 .0549 .0549 .0549 .0549 .0549

150.000 .1197 .0168 -.0068 .0092 .4556 .0564 -.4316 -.4093 -.2318 -.2361

151.000 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929

156.000 .5633 .5633 .5633 .5633 .5633 .5633 .5633 .5633 .5633 .5633 .5633 .5633 .5633 .5633

162.000 .2993 -.4042 -.3118 -.1823 -.0956 .2993 -.4042 -.3118 -.1823 -.0956

165.000 .7382 .7382 .7382 .7382 .7382 .7382 .7382 .7382 .7382 .7382 .7382 .7382 .7382 .7382

169.000 .4323 .4323 .4323 .4323 .4323 .4323 .4323 .4323 .4323 .4323 .4323 .4323 .4323 .4323

174.000 1.2790 .1845 .0441 .0499 .0145 .0233 .0499 .0145 .0233 .0499 .0145 .0233 .0499 .0145

180.000 .6530 .7300 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480 .6530 .7300 .7810 .8230

X/LB .0000 .0060 .0230 .0470 .0730 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

PMI

120.000 .3553 .2104 .4432 .4212 .3545 .2900 .1927 .1959 .1852 .1037 .0584

140.000 .3756 .4159 .4755 .4353 .3411 .2855 .1709 .1709 .1709 .1709 .1709 .1709 .1709 .1709

150.000 .3653 .4188 .4340 .4415 .4345 .4153 .3711 .3711 .3711 .3711 .3711 .3711 .3711 .3711

151.000 .2376 .3894 .4487 .4105 .3837 .3899 .3574 .3574 .3574 .3574 .3574 .3574 .3574 .3574

156.000 .2306 .2948 .3376 .3811 .3479 .3479 .3479 .3479 .3479 .3479 .3479 .3479 .3479 .3479

162.000 .1367 .1468 .0304 .0173 .2786 .2773 .2747 .2747 .2747 .2747 .2747 .2747 .2747 .2747

165.000 .0096 .0072 .0072 .0072 .0072 .0072 .0072 .0072 .0072 .0072 .0072 .0072 .0072 .0072

169.000 .1748 .1719 .1166 .3823 .2119 .2535 .3173 .3173 .3173 .3173 .3173 .3173 .3173 .3173

180.000 .1500 .1500 .1500 .1500 .1500 .1500 .1500 .1500 .1500 .1500 .1500 .1500 .1500 .1500

180.000 .1217 .0916 .1121 .3499 .3499 .3499 .3499 .3499 .3499 .3499 .3499 .3499 .3499 .3499

MACH (1) = 1.550 BETA (4) = 5.000

SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE OF

X/LB .0000 .0060 .0230 .0470 .0730 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3730 .4990 .5760

PMI

120.000 1.2580 1.3670 .9240 .7087 .7751 .0000 .5584 .5584 .5584 .5584 .5584 .5584 .5584 .5584

140.000 .8776 .6551 .8101 .9208 .9208 .9208 .9208 .9208 .9208 .9208 .9208 .9208 .9208 .9208

150.000 .6753 .8046 .9180 1.0433 1.0433 1.0433 1.0433 1.0433 1.0433 1.0433 1.0433 1.0433 1.0433 1.0433

151.000 .4357 1.0570 1.1750 1.3463 1.3463 1.3463 1.3463 1.3463 1.3463 1.3463 1.3463 1.3463 1.3463 1.3463

156.000 .3103 1.1140 1.2120 2.0140 2.0140 2.0140 2.0140 2.0140 2.0140 2.0140 2.0140 2.0140 2.0140 2.0140

162.000 .3723 .2512 1.1850 1.2550 2.1030 2.1030 2.1030 2.1030 2.1030 2.1030 2.1030 2.1030 2.1030 2.1030

165.000 .1743 1.2700 1.3310 2.1430 2.1430 2.1430 2.1430 2.1430 2.1430 2.1430 2.1430 2.1430 2.1430 2.1430

169.000 .0814 1.2690 1.3110 1.3920 1.3920 1.3920 1.3920 1.3920 1.3920 1.3920 1.3920 1.3920 1.3920 1.3920

180.000 .2218 .2218 .2218 .2218 .2218 .2218 .2218 .2218 .2218 .2218 .2218 .2218 .2218 .2218

180.000 .0018 .0018 .0018 .0018 .0018 .0018 .0018 .0018 .0018 .0018 .0018 .0018 .0018 .0018



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A228

ORB. FUSELAGE (RB4811)

ARC97-716 0A22 01

MACH (1) = 1.550 BETA (4) = 5.000

SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .0000 .0080 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4980 .5760

PMI -.2972 -.3951 -.2485 -.1582 -.0702

.4938

165.000

.4964

163.000

174.000

183.000

X/LB .6530 .7500 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

PMI -.1799 .1690

.1146 .0502

40.000

70.000

90.000

105.000

110.000

120.000

135.000

150.000

165.000

180.000

195.000

210.000

225.000

240.000

255.000

270.000

285.000

300.000

315.000

330.000

345.000

360.000

375.000

390.000

405.000

420.000

435.000

450.000

465.000

480.000

495.000

510.000

525.000

540.000

555.000

ORIGINAL PAGE IS  
OF POOR QUALITY

MACH (1) = 1.550 BETA (5) = 9.970

SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .0000 .0080 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4980 .5760

PMI .3527 .3275 .3091 .2987 .3010 .3790 .4980 .5760

.2862 .2652 .2407 .2104 .2017 .2079 .4735

.1112 .1112 .1112 .1112 .1112 .1112 .1112

.2565 .2565 .2565 .2565 .2565 .2565 .2565

.0570 .0570 .0570 .0570 .0570 .0570 .0570

.0341 .0341 .0341 .0341 .0341 .0341 .0341

.0155 .0155 .0155 .0155 .0155 .0155 .0155

.1478 .1478 .1478 .1478 .1478 .1478 .1478

.1013 .1013 .1013 .1013 .1013 .1013 .1013

-.2791 -.4215 -.2703 -.1357 -.0693

.3264

.4137

.3469 -.4100 -.2677 -.1877 -.1075

.6012

.3312

.5627

-.3738 -.4100 -.3782 -.3066 -.3732

.9630 1.0020 1.0210 1.0480

.6530 .7500 .7810 .8230 .8820 .9230 .9630

1.0020 1.0210 1.0480

X/LB .6530 .7500 .7810 .8230 .8820 .9230 .9630

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A220

(RB4811)

ORB. FUSELAGE

MACH (1) = 1.550 BETA (5) = 9.970

ARC97-716 0A22 01

SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .6530 .7500 .7810 .8230 .8820 .9230 .9530 1.0020 1.0210 1.0480

PMI  
 .000 .3617 .0874 .4195 .3742 .3036 .2475 .1551 .1657 .1568  
 40.000 .3286 .3346 .3952 .3755 .2930 .2469 .1644 .1375 .0780  
 70.000 .4115 .3352 .3921 .3588 .3453 .3472 .2836  
 90.000 .4041 .4284 .4453 .4335 .4135 .3872 .3529  
 105.000 .3716 .4378 .4463 .4374 .3708  
 110.000  
 120.000 .1582 .2344 .2687 .3206 .3715 .3846 .3612 .3082  
 135.000 .4787 .1413 .0607 .1074 .1716  
 150.000 .1157 .1209 .0036 .1834 .0787 .0473 .1722  
 165.000 .1397 .1761 .2403 .0242 .1087  
 180.000 .3237 .3259 .1644

MACH (2) = 2.201 BETA (1) = -10.180

SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .0000 .0080 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

PMI  
 .0000 1.3870 1.4190 .9016 .6712 .5344 .0000 .3723 .3476 .3310 .3199 .3020 .2963 .2937  
 20.000 1.0270 .7756 .6372 .4813 .3750 .3790  
 40.000 1.1070 .8520 .7293 .5781 .4753 .3987 .3901 .3952 .3896 .3675 .3952  
 55.000 .9713 .7449 .6201 .4239 .3431 .2878  
 70.000 .8040 .6153 .5047 .3748 .3147 .2580 .0742 .0913 .0918 .0595  
 90.000 .6473 .5105 .3948 .3105 .2614 .2197 .0365 .0590 .0735 .0781  
 100.000 .4085 .2625 .1458 .0578 .0349 .0849 .0002 .1139 .2187 .2177  
 120.000 .2550 .0699 .0143 .0224 .1024 .1187 .2161 .2326 .2358 .2499  
 130.000 .4453  
 151.000 .4480  
 155.000 .5347  
 162.000 .5205  
 165.000 .3611  
 174.000 .3247  
 180.000 .1149 .2260 .2311 .2288 .2442  
 .1511 .2164 .2219 .2370 .2034

PMI  
 .000 .3334 .3785 .3531 .3352 .2820 .2481 .1852 .1910 .1320  
 40.000 .4047 .3841 .4406 .4164 .3268 .2878 .2031 .1552 .1210  
 70.000 .4070 .4047 .1533 .1732 .1539 .1671 .1503  
 90.000 .3741 .3183 .3893 .1187 .2507 .0717 .0943  
 105.000 .3124 .0620 .0006 .0000 .0000  
 110.000 .1301



DATE 09 APR 75 TABULATED PRESSURE DATA - 04220

(R94811)

ORB. FUSELAGE

ARC97-716 0422 01

MACH (2) = 2.201 BETA (1) = -10.180

SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE C°

X/8 .6933 .7303 .7810 .8233 .8820 .9233 .9633 1.0020 1.0210 1.0480

PMI

120.000 -.11900 -.1675 -.0697 .3018 -.0443 -.0918 -.1075 -.1372  
130.000 -.0083 -.0553 -.1935 -.1943 -.2173  
140.000 -.2131 -.1707 -.1371 -.0747 -.1923 -.2178 -.2315  
150.000 -.2379 -.1629 -.1174 -.2178 -.2056  
160.000 -.2574 -.2426 -.1677 -.0950

MACH (2) = 2.201 BETA (2) = -9.560

SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE C°

X/8 .0000 .0003 .0003 .0230 .0470 .0730 .1120 .1530 .1670 .1780 .2050 .2520 .3010 .3780 .4990 .5760

PMI

.000 1.4250 1.4593 .9280 .6794 .5479 .0000 .3698 .3423 .3211 .2935 .2908 .2877  
20.000 .9327 .7418 .6076 .4613 .3529 .3603 .3230 .2756 .3008 .3283 .3278 .3609  
40.000 .9634 .7475 .5343 .4923 .3827 .1581 .1534 -.0103 -.0031 .0080 -.0723  
60.000 .7884 .5795 .4576 .2784 .2044 .1164 -.0360 -.0140 -.0036  
80.000 .6338 .4921 .3618 .2535 .1638 .0272 -.0246 -.1212 -.2319 -.2291  
100.000 .5089 .3642 .2732 .1932 -.0008 .1250 .0533 -.2192 -.2279 -.2511  
120.000 .3213 .1935 .0805 .0297 .4404  
140.000 .1794 .0541 .0037 -.0556 .4781  
160.000 .5227 .5428  
180.000 .0074 .0176 .0074 .3608 .5783  
200.000 1.4250 .3066 .0793 .0376 .0820 .9633 .9633 1.0020 1.0210 1.0480

X/8 .6933 .7303 .7810 .8233 .8820 .9233 .9633 1.0020 1.0210 1.0480

PMI

.000 .3363 .0174 .3378 .3076 .2689 .2351 .1790 .1879 .1916  
40.000 .3708 .3469 .4029 .3030 .2559 .2559 .1875 .1429 .0992  
60.000 .1638 .3661 .1787 .1937 .1825 .1958 .1938  
80.000 .0292 .1143 .1725 .1915 .1315 .1320 .1596  
100.000 .1119 .0395 .0324 .1325 .1463 .1740  
120.000 .1646 .1197 .0573 .2310 .0882 .1325 .1398 .1747  
140.000 .0710 .0710 .2030 .2032 .2131  
160.000 .2420 .1846 .1067 .1813 .1383 .2057  
180.000 .2420 .1352 .1554 .2234 .2153  
200.000 .1676 .1313 .1511 .0312

MACH ( 2 ) = 2.201 BETA ( 3 ) = .050

(RB4811)

CRB. FUSELAGE

SECTION ( 1 ) CRIBTER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0000	.0200	.0400	.0600	.0800	.1000	.1200	.1400	.1600	.1700	.2000	.2500	.3000	.3700	.4900	.5700
PMI																	
.000	1.4100	1.4500	.9212	.6600	.7745	.0000				.1257	.0356	.3200	.3013	.2930	.2994	.2867	
20.000			.9308	.6811	.7595	.8720				.0356	.0766						
40.000			.8200	.6900	.7900	.9044				.0339	.2305	.1961	.2342	.2883	.2994	.3316	
60.000			.6144	.8712	.9635	1.1000				.0384							
80.000			.4653	.9660	1.0333	.8200				.0301	.0603	.0639	.0560	.0560	.1761		
100.000		.9724	.3726	1.0200	1.0300	.8200				.0305	.0892	.0669	.0659	.0659	.0585		
120.000			.2345	1.1170	1.0300	.5074				.0393	.0477	.1318	.2331	.2331	.2007		
140.000										.0637							
160.000			.1311	1.1680	1.2140	.4837				.0901	.2166	.2157	.1748	.1748	.2272		
180.000										.1343							
200.000										.3509							
220.000											.1328	.2149	.1849	.1350	.0910		
240.000										.4654							
260.000											.4067						
280.000												.1724	.2169	.1515	.1227	.0786	
300.000																	
320.000																	
340.000																	
360.000																	
380.000																	
400.000																	
420.000																	
440.000																	
460.000																	
480.000																	
500.000																	
520.000																	
540.000																	
560.000																	
580.000																	
600.000																	
620.000																	
640.000																	
660.000																	
680.000																	
700.000																	
720.000																	
740.000																	
760.000																	
780.000																	
800.000																	
820.000																	
840.000																	
860.000																	
880.000																	
900.000																	
920.000																	
940.000																	
960.000																	
980.000																	
1000.000																	

MACH ( 2 ) = 2.201 BETA ( 4 ) = 5.060

SECTION ( 1 ) CRIBTER FUSELAGE DEPENDENT VARIABLE C<sub>p</sub>

X/LB	.0000	.0000	.0200	.0400	.0600	.0800	.1000	.1200	.1400	.1600	.1700	.2000	.2500	.3000	.3700	.4900	.5700
PMI																	
.000	1.4110	1.4500	.9200	.6710	.7696	.0000				1.8330	.3113	.2980	.2935	.2935	.2939	.2235	
20.000			.8800	.6376	.7912	.8870				2.0020							
40.000			.6955	.8642	.9793					2.3220	.1653	.1160	.1542	.2228	.2637	.2369	
60.000			.4714	.9800	1.0750	1.1360				3.3650	.0334						
80.000			.3342	1.0500	1.1170	3.0330				3.1030	.0314	.1190	.1215	.1714	.1714	.2315	
100.000		.4914	.2620	1.0300	1.1500	3.1030				3.1730	.0221	.1223	.1352	.1355	.1355	.1221	
120.000																	
140.000																	
160.000																	
180.000																	
200.000																	
220.000																	
240.000																	
260.000																	
280.000																	
300.000																	
320.000																	
340.000																	
360.000																	
380.000																	
400.000																	
420.000																	
440.000																	
460.000																	
480.000																	
500.000																	
520.000																	
540.000																	
560.000																	
580.000																	
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640.000																	
660.000																	
680.000																	
700.000																	
720.000																	
740.000																	
760.000																	
780.000																	
800.000																	
820.000																	
840.000																	
860.000																	
880.000																	
900.000																	
920.000																	
940.000																	
960.000																	
980.000																	
1000.000																	









## REFERENCE DATA

SHEF = 2.4710 SQ.FT. XMRP = 29.5800 INCHES  
LIEF = 38.7036 INCHES YMRP = .0000 INCHES  
BREF = 38.7030 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

BETA	=	.000	ELEVON	=	.000
RUGGER	=	.000	SPOBRK	=	55.000

PARA:METRIC DATA

MACH ( 1 ) = 1.550 ALPHA ( 1 ) = -.140

SECTION (1) ORBITER FUSELAGE

x/LB
.0000 .0080 .0260 .0790 .1120 .1590 .1670 .2050 .2520 .3010 .3790 .4990 .5760

1341

[illegible]

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	1960	1961	1962	1963	1964
/LB	.6530	.7300	.7810	.8230	.8620
				.9230	.9630
					1.0020
					1.0210
					1.0480

1

0.000	-.0033	-.0139	.0125	-.0196	-.0717	-.1098	-.1607	-.1487	-.1399
40.000	.0142	-.0070	.0118	-.0181	-.0810	-.1104	-.1641	-.1298	-.1382
80.000	-.0057	.0074	-.0699	.0235	.0355	-.0385	-.0123		
91.000	.0167	-.0305	.0335	.0250	-.0277	-.0458	-.0540		
105.000			.1279	.0843	-.0547	-.1022	-.0529		
110.000								-.1042	
120.000	-.0091	.0224	.2162	.2812	-.0974	-.0844	-.0920	-.0944	
135.000			.3276	.4354	-.0389	.0336	-.0190		
150.000	-.0115	.0246	.3162	.3911	.1051	.0739	-.0624		
165.000	-.0139		.3207		.2334	.1010	-.1056		
180.000	-.0149	.0122	.3203	.4014					

ORB. FUSELAGE (RB4812)

MACH ( 1 ) = 1.550 ALPHA ( 2 ) = 10.092

ARC97-716 0A22 01

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0060	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
.000	1.4610	1.0960	.5927	.3865	.2685	.0000		.1363	.1246	.1008	.0926	.1060	.0913	.0956	
20.000		.6196	.4134	.2915	.1831			.1275	.1223				.1021	.1234	
40.000		.6324	.4243	.3152	.2024			.1488	.0877	.0930	.0979	.1060			
55.000		.5943	.3639	.2832	.1273			.1082	.0587						
70.000		.5552	.3233	.2331	.1259			.1059	.0701	.0970	.0631	.0505	.0520		
90.000	.6199	.5135	.2972	.1871	.1295			.1164	.1021	.1087	.0884	.1045	.1500		
120.000		.4415	.2351	.1577	.1360			.3169	.1308	.1309	.2832	.3123	.2092		
140.000									.0652						
150.000		.3395	.2131	.1584	.1602				-.1313	.3705	.3159	.1811	.0832		
151.000								.7115	.5980						
156.000								.6932							
162.000										.2223	.3689	.2665	.1824	.0629	
165.000								.8961							
169.000															
174.000								.9059		.3519	.3594	.2256	.1853	.0548	
180.000	1.4610	.5372	.2817	.2251	.1724	.1740	.7282								

X/LB .6530 .7300 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

X/LB	.0000	.0060	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
.000	.1329	-.0352	.1633	.1525	.1052	.0588	-.0137		.0062	.0046					
40.000	.1649	.1522	.1389	.1672	.0937	.0592	-.0199		-.0401	-.0576					
70.000	-.1709	.1763	-.2767	-.2212	-.1783	-.1858	-.1751								
90.000	-.1117	-.1702	-.2242	-.1100	-.1692	.2045	-.2172								
105.000		-.0464	-.0913	-.1649	.2309	-.2218									
110.000								-.2333							
120.000	-.0908	-.0875	.0622	.2056	-.1907	-.1785	-.1843								
135.000		.2214	.2099	-.0777	.0764	-.1338									
150.000	-.0483	-.0358	.2384	.3342	-.0088	.0539	-.1484								
165.000	-.0319	.1800		.1415	-.0248	-.1445									
180.000	-.0355	-.0182	.1511	.4714											

MACH ( 1 ) = 1.550 ALPHA ( 3 ) = 20.330

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0060	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
.000	1.2320	1.3680	.9318	.6937	.5558	.0000		.3771	.3447	.3036	.2896	.3086	.3065	.3218	
20.000		.9343	.6985	.5558	.4360			.3336	.3327						
40.000		.8147	.6430	.5023	.3803			.2783	.2170	.1767	.2259	.2683	.3013	.3507	
55.000		.5992	.4031	.2793	.0894			.0421	.0022						
70.000		.4523	.2936	.2039	.1199			.0827	.0304	.1537	.1393	.0870	.3080		
90.000	.4965	.3715	.2262	.1239	.0789			.0583	.0218	.1155	.0832	.0863	.1434		



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00B. FUSELAGE (RB4B12)

$$\text{MACH (1)} = 1.550 \quad \text{ALPHA (3)} = 20.330$$

## SECTION (1) ORBITER FUSELAGE

DEPENDENT VARIABLE CP

NAME	00000	00360	00720	01080	01440	01800	02160	02520	02880	03240	03600	03960	04320	04680	05040	05400	05760	06120	06480	06840	07200	07560	07920	08280	08640	09000	09360	09720	10080	10440	10800	11160	11520	11880	12240	12600	12960	13320	13680	14040	14400	14760	15120	15480	15840	16200	16560	16920	17280	17640	18000	18360	18720	19080	19440	19800	20160	20520	20880	21240	21600	21960	22320	22680	23040	23400	23760	24120	24480	24840	25200	25560	25920	26280	26640	27000	27360	27720	28080	28440	28800	29160	29520	29880	30240	30600	30960	31320	31680	32040	32400	32760	33120	33480	33840	34200	34560	34920	35280	35640	36000	36360	36720	37080	37440	37800	38160	38520	38880	39240	39600	39960	40320	40680	41040	41400	41760	42120	42480	42840	43200	43560	43920	44280	44640	45000	45360	45720	46080	46440	46800	47160	47520	47880	48240	48600	48960	49320	49680	50040	50400	50760	51120	51480	51840	52200	52560	52920	53280	53640	54000	54360	54720	55080	55440	55800	56160	56520	56880	57240	57600	57960	58320	58680	59040	59400	59760	60120	60480	60840	61200	61560	61920	62280	62640	63000	63360	63720	64080	64440	64800	65160	65520	65880	66240	66600	66960	67320	67680	68040	68400	68760	69120	69480	69840	70200	70560	70920	71280	71640	72000	72360	72720	73080	73440	73800	74160	74520	74880	75240	75600	75960	76320	76680	77040	77400	77760	78120	78480	78840	79200	79560	79920	80280	80640	81000	81360	81720	82080	82440	82800	83160	83520	83880	84240	84600	84960	85320	85680	86040	86400	86760	87120	87480	87840	88200	88560	88920	89280	89640	90000	90360	90720	91080	91440	91800	92160	92520	92880	93240	93600	93960	94320	94680	95040	95400	95760	96120	96480	96840	97200	97560	97920	98280	98640	99000	99360	99720	100080	100440	100800	101160	101520	101880	102240	102600	102960	103320	103680	104040	104400	104760	105120	105480	105840	106200	106560	106920	107280	107640	108000	108360	108720	109080	109440	109800	110160	110520	110880	111240	111600	111960	112320	112680	113040	113400	113760	114120	114480	114840	115200	115560	115920	116280	116640	117000	117360	117720	118080	118440	118800	119160	119520	119880	120240	120600	120960	121320	121680	122040	122400	122760	123120	123480	123840	124200	124560	124920	125280	125640	126000	126360	126720	127080	127440	127800	128160	128520	128880	129240	129600	129960	130320	130680	131040	131400	131760	132120	132480	132840	133200	133560	133920	134280	134640	135000	135360	135720	136080	136440	136800	137160	137520	137880	138240	138600	138960	139320	139680	140040	140400	140760	141120	141480	141840	142200
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$\text{MACH} (1) = 1.553 \quad \text{ALPHA} (4) = 26.973$

## SECTION (1) ORBITER FUSELAGE

DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
MI															
.000	1.0960	1.4650	1.1230	.9002	.7546	.0000	.5426	.5083	.5215	.4669	.4533	.4836	.4761	.5009	.5009
20.000	1.1060		.8856	.7493	.6168		.5083		.5002				.4609	.5111	
40.000	.8964	.7320	.6283	.5837	.4920		.5837		.2999		.3104				
55.000	.5755	.3649	.2514	.0386			.0524		.1445						
70.000	.3943	.2592	.1773	.0895			.0570		.0039		.1377	.1580	.2046	.4754	
90.000	.3990	.2847	.1650	.0804	.0330		.0103		.0537		.2102	.1615	.1524	.1961	
120.000		.0361	.0096	.1433	.1536		.1194		.0557		.1963	.3166	.4968	.2538	
140.000															
150.000		.0091	.0064	.1069	.0896				.0845		.4618	.4632	.3153	.4337	
151.000								.4365							
156.000							.5002								
162.000								.4998							

MACH ( 1 ) = 1.550 ALPHA ( 4 ) = 26.970

ORB. FUSELAGE (RB4B12)

## SECTION ( 1 ) ORBITER FUSELAGE

## DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PHI															
165.000															
169.000															
174.000															
183.000	1.0960	.0281	-.0741	-.0444	-.0583	-.0429	.4467	.6434							
X/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					
PHI															
.000	.5600	.4257	.6616	.5965	.5102	.4125	.3013		.3084	.2936					
40.000	.5590	.6810	.6885	.6135	.4807	.4071	.2834		.2047	.1266					
70.000	-.4856	.6881	-.4469	-.4306	-.4088	-.3079	-.3420								
90.000	-.4631	-.5216	-.5284	-.5236	-.4163	-.3953	-.2976								
105.000		-.4523	-.4839	-.4843	-.4406	-.2601									
110.000															
120.000	-.2503	-.2667	-.2383	-.1521	-.3034	-.3186	-.2373	-.2923							
135.000		.2664	.0279	-.3027	-.2452	-.2685									
150.000	-.1657	-.1657	.0412	.2412	-.2323	-.2989	-.3476								
165.000	-.2187		-.1116	.0761	-.2016	-.2742									
180.000	-.2177	-.1453	-.1150	.2660											

MACH ( 2 ) = 2.201 ALPHA ( 1 ) = -.140

## SECTION ( 1 ) ORBITER FUSELAGE

## DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PHI															
.000	1.6970	.6236	.3209	.1623	.0718	.0000		.0107		.0085	-.0029	-.0034	.0139	.0096	.0002
20.000		.3657	.1809	.1012	.0186			.0055		-.0005					
40.000		.4532	.2192	.1440	.0538			.0222		-.0312	-.0224	-.0174	.0026	-.0037	.0138
55.000		.5285	.3074	.2230	.1079			.0508		.0567					
70.000		.5551	.3412	.2455	.1541			.1168		.3743	-.0482	-.0430	.0021	-.0230	
90.000	.7720	.5829	.3772	.2458	.1821			.1350		.1085	-.0319	-.0481	-.0483	-.0228	
120.000		.5930	.4217	.3176	.2761			.2794		.2416	.0126	-.1536	-.0833	-.0295	
140.000								.1775		.1284	-.1231	-.0947	-.0754	-.0388	
150.000		.5618	.4420	.3716	.3194				.7881						
151.000								.9084							
156.000									1.0170						
162.000															
163.000															
174.000															
180.000	1.6970	.9279	.5361	.4414	.3795	.3406	.8832			.0510	-.1240	-.0666	-.0518	-.0486	
X/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					

WACH ( 2 ) = 2.201    ALPHA ( 1 ) = -.149

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ORB. FUSELAGE

(RB4B12)

## SECTION (1) ORBITER FUSELAGE

DEPENDENT VARIABLE CP

K/L/B	.6533	.7330	.7810	.8233	.8820	.9233	.9633	1.0020	1.0210	1.0480
PMI										
.000	.0188	-.0194	.0143	-.0383	-.0379	-.0583	-.0875	-.0903	-.0896	
40.000	.0175	.0342	.0113	-.0040	-.0493	-.0628	-.0950	-.0757	-.0873	
70.000	-.0063	.0342	-.0573	-.0196	.0198	-.0320	-.0127			
90.000	-.0326	.0332	-.0432	.0562	.0483	-.0100	-.0270			
103.000			-.0234	.0630	.0588	-.0382	-.0375	-.0692		
120.000	-.0136	-.0388	.1812	.3158	.0078	-.0035	-.0167	-.0316		
135.000			.2282	.3582	-.0220	.0328	.0556			
150.000	-.0174	-.0121	.1485	.2665	.0998	.1033	.0763			
165.000	-.0186		.0718				.0232			
180.000	-.0191	-.0129	.0351	.2954	.2473	.1493				

$$\text{MACH} (2) = 2.201 \quad \text{ALPHA} (2) = 19.119$$

## SECTION (1) ORBITER FUSELAGE

DEPENDENT VARIABLE: CTS

1971	1.6230	1.1600	.5903	.3024	.2673	.0000	.1649	.1349	.1164	.1087	.1092	.1109	.0902	.5760
20.000	.6358	.4078	.2956	.1829	.1421	.1319	.1069	.1026	.1109	.1370	.1187	.1331		
40.000	.6531	.4144	.3259	.2103	.1609	.1304	.0809	.0754	-.0606	-.0433	-.0173	-.0308		
55.000	.6011	.2961	.1569	.1304	.1179	.0754	.0771	-.0465	-.0391	-.0278	-.0454			
70.000	.5400	.3337	.2433	.1564	.1179	.0754	.1530	-.0191	-.1215	-.1525	-.1949			
90.000	.7007	.4942	.3172	.2131	.1499	.1189	.1400							
120.000	.4334	.2610	.1594	.1396	.1474	.1400	.0373	-.1843	-.1683	-.1295	-.0789			
140.000							.5551							
150.000	.3206	.2086	.1556	.1404			.6049							
151.000														
156.000							.7162							
162.000														
168.000														
169.000														
174.000														
183.000	1.6230	.5793	.2717	.1963	.1579	.1616	.4775	.7632	-.0469	-.1856	-.1498	-.1185	-.0706	
192.000														
201.000	.6330	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480				
210.000														
220.000														
230.000														
240.000														
250.000														
260.000														
270.000														
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880.000														
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930.000														
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950.000														
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-000	-1324	-0364	-1243	-0962	-0613	-0484	-0101
43 000	-1434	-1178	-1500	-1366	-0766	-0501	-0066
79 000	-0642	-1374	-1148	-1376	-1091	-1225	-1338
93 000	-0397	-0759	-1396	-0953	-0721	-1009	-1213
125 000		-1237	-0536	-0458	-1058	-1243	
							-1325

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ORB. FUSELAGE

(RB4812)

MACH ( 2 ) = 2.201      ALPHA ( 2 ) = 10.110

## SECTION (1) ORBITER FUSELAGE

DEPENDENT VARIABLE C<sub>1</sub>

	.6530	.7300	.7610	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480
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122.000	- .1137	- .0379	.0232	.2478	- .0636	- .0983	- .1189	- .1134
135.000			.0573	.0324	- .0370	- .0256	- .0430	
150.000	- .0365	- .0422	.0437	.2321	- .0341	- .0566	- .0417	
165.000	- .0371		- .0338			.1570	.0516	- .0142
180.000	- .0371	- .0248	- .0253	.2792				

$$\text{MACH (2)} = 2.231 \quad \text{ALPHA (3)} = 29.493$$

## SECTION ( 1 ) ORBITER FUSELAGE

## DEPENDENT VARIABLE: E C2

Variable	Mean	SD	Min	Max
Age	38.5	12.5	18	65
Gender	0.5	0.5	0	1
Marital Status	0.6	0.5	0	1
Education	12.5	2.5	9	16
Income	3500	1500	1000	7000
Health	0.8	0.2	0.5	1.0
Stress	0.7	0.3	0.4	1.0
Depression	0.6	0.4	0.2	1.0
Life Satisfaction	0.7	0.3	0.4	1.0
Resilience	0.6	0.3	0.3	1.0
Optimism	0.7	0.3	0.4	1.0
Gratitude	0.6	0.3	0.3	1.0
Self-Compassion	0.5	0.3	0.2	1.0
Emotional Regulation	0.6	0.3	0.3	1.0
Prosocial Behavior	0.7	0.3	0.4	1.0
Life Purpose	0.6	0.3	0.3	1.0
Meaning in Life	0.7	0.3	0.4	1.0
Existential Well-being	0.6	0.3	0.3	1.0
Transcendental Well-being	0.5	0.3	0.2	1.0
Overall Well-being	0.6	0.3	0.3	1.0

三

[illegible]

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2
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3

.0000	.3371	.1203	.3361	.3565	.2320	.2308	.1775
40.000	.3542	.3392	.3564	.3565	.2778	.2445	.1738
70.000	.2339	.3394	.1316	.2373	.2363	.2136	.2086
90.000	.1229	.1449	.2310	.2233	.1834	.2158	.2148
135.000			.1853	.1523	.1869	.2034	.2038
110.000							
120.000	.1476	.1661	.0493	.1533	.1317	.1698	.1654
135.000			.0700	.0287	.1755	.1411	.1355
150.000	.1759	.1234	.0253	.0718	.1334	.1520	.1918
165.000	.1476		.1198			.0543	.0306
180.000	.1206	.1146	.1233	.0613			.1249



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ORB. FUSELAGE

(RB4B13) (08 OCT 73)

## REFERENCE DATA

SRF = 2.4210 50 FT. XWRP = 29.5800 INCHES  
 LREF = 38.7093 INCHES YWRP = .0000 INCHES  
 DRF = 38.7093 INCHES ZWRP = .0000 INCHES  
 SCALE = .0000 SCALE

MACH (1) = 1.550 ALPHA (1) = -.133

## SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0200	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
.000	1.3430	.7817	.3102	.1489	.0811	.0000		-.0141	-.0137	-.0216	-.0033	.0223	-.0122	-.0270	
20.000		.3487	.1773	.0329	.0118			-.0154	-.0147						
40.000		.4452	.2064	.1411	.0367			-.0003	-.0495	-.0237	-.0492	-.0326	-.0198	-.0038	
55.000		.5349	.2840	.2202	.0957			.0832	.0530						
70.000		.5778	.3187	.2334	.1345			.1115	.1299	-.1552	-.1168	-.0803	-.0602		
90.000	.7342	.5985	.3631	.2327	.1622			.1422	.1172	-.1559	-.1669	-.1265	-.0539		
120.000		.6204	.4186	.3110	.2598			.4819	.1195	-.1489	-.3185	-.1528	-.0592		
140.000									.0005						
150.000		.6037	.4578	.3769	.3219			.6951	-.1134	-.2943	-.1907	-.1421	-.0692		
151.000								.9782							
155.000									.7758						
162.000									-.1168	-.2829	-.1721	-.1334	-.0723		
165.000															
169.000															
174.000															
180.000	1.3430	.9018	.5823	.4813	.4085	.3453	1.0370	1.0750	-.2729	-.2680	-.1358	-.1248	-.0730		
X/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					
PMI															
.000	-.0003	-.0128	.0128	-.0138	-.0685	-.1051	-.1571		-.1580	-.1475					
40.000	.0194	.0090	.0125	-.0132	-.0771	-.1068	-.1616		-.1246	-.1393					
70.000	.0087	.0118	-.0854	.0287	.0401	-.0059	-.0097								
90.000	.0184	-.0349	.0079	.0913	-.0207	-.0452	-.0541								
105.000		.1348	.0874	-.0486	-.0399	-.0641									
110.000									-.1027						
120.000	-.0090	.0246	.2237	.2869	-.0327	-.0813	-.0887	-.0952							
135.000		.3312	.4632	-.0328	.0357	-.0158									
150.000	-.0110	.0256	.3225	.4003	.1115	.0798	-.0533								
165.000	-.0162	.3284		.2423	.1000	-.1027									
180.000	-.0121	.0142	.3284	.4069											





MACH ( 1 ) = 1.550 ALPHA ( 2 ) = 10.100

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ORB. FUSELAGE

(RB4B13)

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	0.000	0.006	0.020	0.040	0.070	0.110	0.150	0.160	0.170	0.200	0.250	0.300	0.370	0.490	0.570
PMI															
0.000	1.4710	1.1070	.5994	.3935	1.2030	.0000		.1369	.1243	.1055	.0959	.1110	.0951	.0996	
20.000			.6254	.4176	1.1800	1.2670		.1264	.1213						
40.000			.6416	1.0550	1.1560	1.2710		.1508	.0932	.0942	.0989	.1164	.1059	.1257	
60.000			.5997	1.1070	1.1930	1.3440		.1070	.0658						
80.000			.5589	1.1530	1.2340	1.254		.1043	.0773	.0950	.0612	.0618	.1315		
100.000		.6306	.5180	1.1740	1.2830	.1308		.1155	.1053	.1068	.0852	.1051	.1491		
120.000			.4475	1.2360	1.3260	.1376		.3232	.1334	.1291	.1280	.1115	.12100		
140.000									.0683						
160.000			.3465	1.2580	1.3140	.1647			.6003	.3697	.3105	.1806	.0835		
180.000								.7125							
200.000									.5960						
220.000										.2193	.3697	.2645	.1816	.0622	
240.000								.9310							
260.000															
280.000															
300.000															
320.000															
340.000															
360.000															
380.000															
400.000															
420.000															
440.000															
460.000															
480.000															
500.000															
520.000															
540.000															
560.000															
580.000															
600.000															
620.000															
640.000															
660.000															
680.000															
700.000															
720.000															
740.000															
760.000															
780.000															
800.000															
820.000															
840.000															
860.000															
880.000															
900.000															
920.000															
940.000															
960.000															
980.000															
1000.000															

X/LB .6530 .7300 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0490

PMI

0.000	.1350	.0595	.1618	.1591	.1070	.0642	.0107								
20.000	.1059	.1038	.1958	.1717	.0908	.0036	.0181		.0089	.0765					
40.000	.1745	.1761	.2759	.2166	.1766	.1831	.1757		.0346	.0574					
60.000	.1170	.1772	.2224	.1103	.1140	.1203	.2151								
80.000			.0455	.0906	.1591	.2264	.2195								
100.000			.0925	.0908	.0670	.2069	.1878	.1801	.2292						
120.000				.2116	.0721	.0731	.1309	.2139							
140.000			.0526	.0592	.2442	.3360	.0512	.1453							
160.000		.0388	.1835		.1475	.0205	.1406								
180.000		.0395	.0228	.1510	.4735										

MACH ( 1 ) = 1.550 ALPHA ( 3 ) = 20.350

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	0.000	0.006	0.020	0.040	0.070	0.110	0.150	0.160	0.170	0.200	0.250	0.300	0.370	0.490	0.570
PMI															
0.000	1.2750	1.3690	.9207	.6982	.5500	.0000		.3687	.3415	.3022	.2882	.3019	.3019	.3100	
20.000			.9235	.6962	.5507	.4392		.3445	.3302						
40.000			.8050	.6286	.5014	.3813		.2765	.2082	.1696	.2231	.2614	.2948	.3373	
60.000			.5934	.3936	.2761	.0993		.0379	.0048						
80.000			.4622	.2697	.2025	.1128		.0774	.0255	.1542	.1449	.1044	.1044	.3099	
100.000		.4860	.3736	.2248	.1353	.0701		.0548	.0142	.1536	.0885	.0892	.1459		

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(RB4813)

ORB. FUSELAGE

MACH (1) = 1.550 ALPHA (3) = 20.350

SECTION (1) ORBITER FUSELAGE

DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0250	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
120.000			.2433	.0720	-.0208	-.0182		.0362		.0962	-.1336	-.2794	-.4659	-.2797	
140.000										.0544					
150.000			.1237	.0174	-.0055	.0127				-.0572	-.4346	-.4101	-.2516	-.2452	
151.000								.4806							
156.000								.4945							
162.000										-.3001	-.4074	-.3122	-.1821	-.0958	
165.000								.6835							
169.000							.4500								
174.000				.0497	.0494	.0165	.0273	.7420		-.4094	-.4107	-.2462	-.1622	-.0728	
180.000	1.2750	.1870													
X/LB	.6530	.7300	.7810	.8230	.8620	.9230	.9630	1.0020	1.0210	1.0480					
PMI															
.000	.3566	-.0118	.4368	.4172	.3533	.2903	.1928			.1936	.1936				
40.000	.3779	.4315	.4725	.4325	.3367	.2859	.1726			.1069	.0468				
70.000	-.3707	.4315	-.4402	-.4475	-.4412	-.4206	-.3722								
90.000	-.2442	-.3959	-.4522	-.4149	-.3871	-.3905	-.3590								
105.000		-.2378	-.2964	-.3785	-.3832	-.3507									
110.000								-.3470							
120.000	-.1446	-.1513	-.0335	.0141	-.2791	-.2791	-.2780	-.3152							
135.000			.0724	-.0112	-.2267	-.1754	-.2193								
150.000	-.1789	-.1756	.1213	.3836	-.2108	-.2688	-.3198								
165.000	-.1550	-.1350		.0960	-.1210	-.2202									
180.000	-.1223	-.0931	-.1134	.3483											

MACH (1) = 1.550 ALPHA (4) = 27.000

SECTION (1) ORBITER FUSELAGE

DEPENDENT VARIABLE CP

X/LB	.0000	.0300	.0250	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
.000	1.0990	1.4860	1.1250	.9007	.7564	.0700		.5401		.5188	.4675	.4554	.4866	.4771	.5043
20.000			1.1380	.8842	.7551	.6200		.5087		.5015					
40.000			.8393	.7514	.6283	.4332		.3926		.3025	.2298	.3127	.4041	.4624	.5119
55.000			.5637	.3868	.2479	.0419		-.0550		-.1368					
70.000			.3926	.2580	.1779	.0305		.0581		.0093	-.1559	-.1528	-.2118	-.4635	
90.000		.3926	.2838	.1674	.0820	.0361		.0096		-.0510	-.2062	-.1574	-.1480	-.1899	
120.000			.0375	-.0353	-.1463	-.1561		-.1227		-.0557	-.1859	-.3091	-.4893	-.2472	
140.000										-.0723	-.4566	-.4575	-.3150	-.4323	
150.000															
151.000								.4864							
156.000															
162.000															





DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(RB4813)

OR5. FUSELAGE

WACH (2) = 2.201 ALPHA (1) = -1.130

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SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	0.530	.7300	.7810	.8230	.8620	.9230	.9630	1.0020	1.0210	1.0480
PMI										
0.000	.0201	-.0191	.0161	-.0377	-.0360	-.0360	-.0867		-.0866	-.0869
20.000	.0194	-.0377	.0113	-.0336	-.0474	-.0620	-.0930		-.0749	-.0656
40.000	-.0346	.0302	-.0552	-.0188	.0204	-.0024	-.0112			
60.000	.0303	-.0302	-.0436	.0583	.0115	.0337	-.0275			
80.000			-.0205	.0694	.0583	-.0084	-.0376			
100.000							-.0694			
120.000	-.0132	-.0377	.184	.0146	.0360	-.0051	-.0172		-.0312	
140.000			.2237	.0602	-.0218	.0339	-.0559			
160.000	-.0176	-.0037	.1431	.2159	.0114	.0331	-.0362			
180.000	-.0196		.0770	.2453	.1470	.0232				
200.000	-.0193	-.0117	.0358	.2937						

WACH (2) = 2.201 ALPHA (2) = 10.110

SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0000	.0000	.0230	.0470	.0750	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI																
0.000	1.0250	1.1600	.5983	.3833	.2818	.0000			.1443		.1340	.1172	.1089	.1097	.1122	.0993
20.000			.6336	.4359	.3092	.1936			.1422		.1312	.1027	.1120	.1370	.1200	.1345
40.000			.6532	.4252	.3386	.2237			.1601		.1067	.1282				
60.000			.6003	.3337	.3382	.1696			.1282		.0728					
80.000			.5404	.3459	.2634	.1540			.1169		.0758	-.0616	-.0422	-.0244	-.0291	
100.000		.6995	.4936	.3334	.2280	.1498			.1174		.0783	-.0462	-.0377	-.0274	-.0432	
120.000			.4334	.2758	.1764	.1393			.1530		.1521	-.0176	-.1202	-.1509	-.1320	
140.000			.3304	.2242	.1714	.1382			.0381		.0381	-.1828	-.1637	-.1283	-.0773	
160.000									.5573							
180.000									.6088							
200.000									.7184							
220.000											-.0447	-.1851	-.1474	-.1165	-.0683	
240.000																
260.000									.7645							
280.000																
300.000									.4821							
320.000	1.0250	.5792	.2727	.2134	.1749	.1585			.7878							
340.000																
360.000																
380.000																
400.000																
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DATE 03 APR 75  
TABULATED PRESSURE DATA - 04228

(RB4813)

889. FUSELAGE

ARC97-716 JAZZ CI

$$\text{ALPHA} ( 2 ) = 2.201 \quad \text{ALPHA} ( 2 ) = 10.113$$

SECTION 1: INHIBITOR FUSE AGE

W/L	.6530	.7330	.7810	.8230	.8620	.9230	.9630	1.0020	1.0210	1.0400
mm										
120.000	-.1120	-.0871	-.0236	-.2489	-.0603	-.0939	-.1063	-.1113		
135.000			.0535	.0987	-.0962	-.0232	-.0410			
150.000	-.0961	-.0516	.0464	-.2044	-.0022	-.0034	-.0396			
165.000	-.0363	-.0339	-.0319		.1605	.0643	-.0117			
180.000	-.0363	-.0239	-.0263	-.2789						

$$\text{MACH} (2) = 2.201 \quad \text{ALPHA} (3) = 20.493$$

SECTION (UNWRITTEN) FIRST AGE

Yr.	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1900	1.4220	1.4543	1.4866	1.5189	1.5512	1.5835	1.6158	1.6481	1.6804	1.7127	1.7450	1.7773	1.8096	1.8419	1.8742	1.9065	1.9388	1.9711	2.0034	2.0357	2.0680	2.1003	2.1326	2.1649	2.1972	2.2295	2.2618	2.2941	2.3264	2.3587	2.3910	2.4233	2.4556	2.4879	2.5202	2.5525	2.5848	2.6171	2.6494	2.6817	2.7140	2.7463	2.7786	2.8109	2.8432	2.8755	2.9078	2.9401	2.9724	3.0047	3.0370	3.0693	3.1016	3.1339	3.1662	3.1985	3.2308	3.2631	3.2954	3.3277	3.3600	3.3923	3.4246	3.4569	3.4892	3.5215	3.5538	3.5861	3.6184	3.6507	3.6830	3.7153	3.7476	3.7799	3.8122	3.8445	3.8768	3.9091	3.9414	3.9737	4.0060	4.0383	4.0706	4.1029	4.1352	4.1675	4.1998	4.2321	4.2644	4.2967	4.3290	4.3613	4.3936	4.4259	4.4582	4.4905	4.5228	4.5551	4.5874	4.6197	4.6520	4.6843	4.7166	4.7489	4.7812	4.8135	4.8458	4.8781	4.9104	4.9427	4.9750	5.0073	5.0396	5.0719	5.1042	5.1365	5.1688	5.2011	5.2334	5.2657	5.2980	5.3303	5.3626	5.3949	5.4272	5.4595	5.4918	5.5241	5.5564	5.5887	5.6210	5.6533	5.6856	5.7179	5.7502	5.7825	5.8148	5.8471	5.8794	5.9117	5.9440	5.9763	6.0086	6.0409	6.0732	6.1055	6.1378	6.1701	6.2024	6.2347	6.2670	6.2993	6.3316	6.3639	6.3962	6.4285	6.4608	6.4931	6.5254	6.5577	6.5900	6.6223	6.6546	6.6869	6.7192	6.7515	6.7838	6.8161	6.8484	6.8807																															

[illegible][illegible][illegible]

DATE 03 APR 75 TABULATED PRESSURE DATA - 04220

ORB. FUSELAGE (RB4B13)

ARC97-716 0422 01

MACH ( 2 ) = 2.231 ALPHA ( 4 ) = 27.073

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0040	.0080	.0120	.0160	.0200	.0240	.0280	.0320	.0360	.0400	.0440	.0480	.0520	.0560	.0600	.0640	.0680	.0720	.0760	.0800	.0840	.0880	.0920	.0960	.1000
PM1																										
.000	1.2310	1.5640	1.1310	.8663	.7406	.6000																				
.004																										
.008																										
.012																										
.016																										
.020																										
.024																										
.028																										
.032																										
.036																										
.040																										
.044																										
.048																										
.052																										
.056																										
.060																										
.064																										
.068																										
.072																										
.076																										
.080																										
.084																										
.088																										
.092																										
.096																										
.100																										
X/LB	.6530	.7500	.7810	.8230	.8620	.9230	.9630	1.0020	1.0210	1.0480																
PM1																										
.000	.3132	.2039	.5314	.4076	.4262	.3963	.3293																			
.004																										
.008																										
.012																										
.016																										
.020																										
.024																										
.028																										
.032																										
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.064																										
.068																										
.072																										
.076																										
.080																										
.084																										
.088																										
.092																										
.096																										
.100																										



ARC37-716 0422 01

CR8, FUSELAGE

(RB4B14) ( 10 OCT 75 )

## REFERENCE DATA

SREF = 2.4210 SQ. FT. XMRP = 29.5800 INCHES  
 LREF = 36.7090 INCHES YMRP = .0000 INCHES  
 BREF = 36.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0000 SCALE

MACH ( 1 ) = 2.201 BETA ( 1 ) = -5.070

## PARAMETRIC DATA

ALPHA = 10.000 ELEVCON = .000  
 RUDDER = .000 SPDRBK = .000

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0200	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
.000	1.6300	1.1620	.5982	.3934	1.0720	.0000		.1301	.1322	.1156	.1094	.0971	.1028	.0862	
20.000			.6810	.4451	1.0310	1.1220		.1613	.1483						
40.000			.7641	.9109	.9811	1.0780		.2163	.1501	.1532	.1440	.1511	.1204	.1310	
55.000			.7475	.9022	.9756	1.0920		.2260	.1680						
70.000			.6905	.9354	1.0120	.2485		.2046	.1566	.0143	.0038	.0375	.0145		
90.000		.8454	.6243	.9554	1.0460	.2401		.2035	.1470	.0002	.0114	.0196	-.0019		
120.000			.5269	1.0270	1.1080	.1938		.1874	.2388	.0445	-.0854	-.1414	-.1977		
140.000									.2196						
150.000			.3860	1.1060	1.1480	.1532		.6564	.0882	-.1780	-.1824	-.1560	-.1388		
151.000								.6925							
156.000									.7735						
162.000										-.0417	-.1760	-.1629	-.1470	-.1076	
163.000								.7815							
169.000															
174.000							.5608	.7421		-.1161	-.1974	-.1478	-.1248	-.0985	
180.000	1.6300	.5972	.2802	1.1340	1.1620	.1419									
X/LB	.6530	.7500	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					
PMI															
.000	-.1178	-.0295	.1212	.0990	.0642	.0445	.0045	.0141	.0194						
40.000	-.1402	.1150	.1508	.1470	.0862	.0628	.0060	-.0039	-.0238						
70.000	-.0146	.1353	-.1032	-.1071	-.0792	-.0644	-.0830								
90.000	-.0180	-.0267	-.0984	-.1009	-.0093	-.0611	-.0865								
105.000			-.0940	.0038	.0108	-.0631	-.0893								
110.000							-.1284								
120.000	-.2250	-.1759	-.0736	.2940	-.0402	-.0789	-.0960	-.1261							
135.000			-.0630	-.0197	-.1513	-.0830	-.0776								
150.000	-.1304	-.1818	-.1239	-.1101	-.0525	-.0213	-.0670								
165.000	-.0982		-.0580		.0853	.0515	.0219								
180.000	-.0727	-.0704	-.0700	.1414											

ORIGINAL PAGE IS  
 OF POOR QUALITY

(RB4814)

ORB. FUSELAGE

ARC97-716 0A22 01

MACH ( 1 ) = 2.201 BETA ( 2 ) = .000

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .0000 .0000 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2090 .2520 .3010 .3790 .4990 .5760

PMI

.000	1.6170	1.1370	.5965	.3787	.2791	.0000	.1424	.1299	.1154	.1057	.1093	.1126	.0982
20.000			.6276	.4016	.3032	.1978	.1418	.1294				.1177	.1286
40.000			.6337	.4177	.3289	.2184	.1564	.0991	.1003	.1034	.1365		
55.000			.5789	.3814	.2929	.1631	.1166	.0700					
70.000			.5173	.3343	.2496	.1434	.1082	.0672	.0553	.0482	.0183	.0387	
90.000	.6782		.4768	.3207	.2143	.1416	.1093	.0703	.0515	.0423	.0290	.0494	
120.000			.4805	.2672	.1691	.1345	.1327	.1462	.0268	.1240	.1121	.1839	
140.000								.1261					
150.000			.3201	.2202	.1697	.1411		.0333	.1835	.1671	.1251	.0746	
151.000							.6055	.5477					
156.000								.7103					
162.000									.0305	.1878	.1472	.1149	.0662
165.000							.7409						
169.000													
174.000													
180.000	1.6170	.5725	.2637	.2103	.1756	.1397	.4537						
180.000	.6330	.7300	.7810	.6230	.8820	.9230	.9630	1.0020	1.0210	1.0480			

X/LB

PMI

.000	.1284	-.0377	.1238	.0985	.0575	.0470	.0109	.0187	.0210				
40.000	.1401	.1095	.1501	.1352	.0738	.0592	.0371	-.0155	.0327				
70.000	-.0758	.1248	-.1445	-.1510	-.1118	.1297	-.1420						
90.000	-.0740	-.0970	-.1398	-.0942	-.0779	.1056	-.1234						
103.000			-.1174	-.0355	-.0517	.1035	-.1267						
110.000													
120.000	-.1044	-.0832	.0318	.2359	-.0641	.1008	-.1052						
135.000			.0881	.1133	-.0809	.0283	-.0332						
150.000	-.0533	-.0497	.0641	.2250	.0086	-.0046	-.0420						
163.000	-.0382		-.0340		.1629	.0561	-.0178						
180.000	-.0385	-.0288	-.0302	.2821									

MACH ( 1 ) = 2.201 BETA ( 3 ) = 4.980

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .0000 .0000 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2090 .2520 .3010 .3790 .4990 .5760

PMI

.000	1.5990	1.1580	.6096	.3880	.2826	.0000	.1480	.1337	.1156	.1054	.1108	.1006	.0875
20.000			.5974	.3752	.2775	.1919	.1273	.1134					
40.000			.5302	.3477	.2708	.1649	.1085	.0583	.0419	.0583	.0886	.0917	.1061
55.000			.4420	.2800	.1991	.0763	.0376	-.0009					
70.000			.3780	.2313	.1628	.0582	.0391	.0126	.0323	.0771	.0633	.0943	
90.000	.5536		.3495	.2244	.1365	.0677	.0450	.0216	.0804	.0673	.0706	.1007	



(RB4B14)

ORB. FUSELAGE

ARC97-716 QAZ2 01

MACH ( 1 ) = 2.201 BETA ( 3 ) = 4.980

SECTION ( 1 ) ORBITER FUSELAGE

DEPENDENT VARIABLE CP

X/LB .0000 .0080 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

PHI

120.000 .3258 .2037 .1184 .0891 .1299 .0741 -.0766 -.1718 -.1357 -.0954

140.000 .2634 .1948 .1324 .1108 .4477 .0065 -.0113 -.1931 -.1608 -.1267 -.0655

150.000 .7052 .6285 .7049 .7628 .7952 .6285 .7049 .7628 .7952 .6285 .7049 .7628 .7952

155.000 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929

162.000 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929

163.000 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929

169.000 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929

174.000 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929

180.000 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929 .4929

X/LB .6530 .7300 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

PHI

.000 .1192 -.0246 .1276 .1023 .0574 .0418 .0056 .0150 .0173

40.000 .1148 .1110 .1256 .1146 .0691 .0504 .0036 -.0072 -.0193

70.000 .1405 .1110 .1609 .1701 .1527 .1650 .1749 .0150 .0173

90.000 .1090 .1072 .1197 .1066 .0977 .1318 .1520 .0150 .0173

105.000 .0767 .0468 .0914 .1285 .1418 .1517 .1517

110.000 .0671 .0517 .0234 .0753 .0870 .1089 .1038

120.000 .3168 .2136 .0685 .0763 .0622 .0622 .1335

135.000 .0431 .0384 .0707 .2606 .0596 .0249 .0778

150.000 .0431 .0438 .1459 .0433 .0342 .0342 .0342

165.000 .0719 .0755 .1263 .1263 .1263 .1263 .1263

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ARC97-716 0422 01

ORB. FUSELAGE

(R84815) ( 25 JAN 74 )

## REFERENCE DATA

SRF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
LREF = 38.7090 INCHES YMRP = .0000 INCHES  
BREF = 30.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0300 SCALE

ALPHA ( 1 ) = -.1130 BETA ( 1 ) = -4.940

## SECTION ( 1 ) ORBITER FUSELAGE

## DEPENDENT VARIABLE CP

X/LB .0000 .0080 .0200 .0470 .0700 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4390 .5760

## PMI

.000 1.5310 .7713 .2990 .1427 .0565 .0000  
20.000 .3710 .1803 .0888 -.0116  
40.000 .5263 .2339 .1629 .0488  
55.000 .6553 .3810 .2850 .1756  
70.000 .7156 .4421 .3333 .2437  
90.000 .9269 .7286 .4828 .3330 .2849  
120.000 .7283 .5021 .3917 .3659  
140.000 .6530 .4885 .3921 .3672  
150.000  
156.000  
162.000  
165.000  
169.000  
174.000  
180.000

1.5310 .9213 .5683 .4554 .3914 .3380  
1.5310 .7300 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480  
1.5310 .9213 .5683 .4554 .3914 .3380  
1.5310 .7300 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

## PMI

.000 -.0016 -.0282 -.0010 -.0440 -.0987 -.1131 -.1631  
40.000 -.0016 -.0215 -.0010 -.0575 -.1211 -.1174 -.1724  
70.000 .0348 -.0212 -.0838 -.0071 .0558 .0409 .0453  
90.000 .0382 -.0209 -.0588 .1270 .0188 .0019 -.0160  
105.000 .0288 .1277 .0045 -.0534 -.0326  
110.000  
120.000 -.0258 -.0203 .2782 .4008 -.0369 -.0515 -.0203  
135.000 .3405 .3388 -.0747 .1228 .0833  
150.000 -.0335 -.0020 .2469 .1589 .1893 .0539  
165.000 -.0288 .2621 .3251 .2053 -.0071  
180.000 -.0285 -.0036 .2667 .3121

## PARAMETRIC DATA

MACO = 1.550 ELEVON = .000  
RUDDER = .000 SPDRK = .000



DATE 09 APR 73

TABULATED PRESSURE DATA - 0422B

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ORB. FUSELAGE (RB4815)

ARC97-716 0422 01

ALPHA ( 1 ) = -.150 BETA ( 2 ) = .080

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PWT															
.000	1.5440	.7819	.3170	.1504	-.0676	.0030		-.0121		-.0135	-.0220	-.0041	.0224	-.0173	-.0226
20.000		.3535	.1793	-.0895	.0074			-.0125		-.0148					
40.000		.4574	.2078	-.1365	.0306			.0011		-.0499	-.0274	-.0513	-.0286	-.0150	.0003
55.000		.5437	.2885	-.2176	.0939			.0885		.0560					
70.000		.5858	.3235	-.2347	.1426			.1163		.1317	-.1546	-.1137	-.0813	-.0537	
90.000		.7454	.6057	-.3712	.2344	.1718		.1456		.1131	-.1536	-.1637	-.1127	-.0493	
120.000		.6286	.4203	.3104	.2770			.4902		.1241	-.1492	-.3141	-.1507	-.0570	
140.000										.0135					
160.000		.6081	.4687	.3749	.3305				.7023	-.1087	-.2834	-.1864	-.1373	-.0693	
180.000								.9745							
200.000									.7846						
220.000										-.1200	-.2828	-.1710	-.1313	-.0727	
240.000															
260.000															
280.000															
300.000															
320.000															
340.000															
360.000															
380.000															
400.000															
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920.000															
940.000															
960.000															
980.000															
1000.000															

PWT

X/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
.000	1.5440	.7819	.3170	.1504	-.0676	.0030		-.0121		-.0135	-.0220	-.0041	.0224	-.0173	-.0226
20.000		.3535	.1793	-.0895	.0074			-.0125		-.0148					
40.000		.4574	.2078	-.1365	.0306			.0011		-.0499	-.0274	-.0513	-.0286	-.0150	.0003
55.000		.5437	.2885	-.2176	.0939			.0885		.0560					
70.000		.5858	.3235	-.2347	.1426			.1163		.1317	-.1546	-.1137	-.0813	-.0537	
90.000		.7454	.6057	-.3712	.2344	.1718		.1456		.1131	-.1536	-.1637	-.1127	-.0493	
120.000		.6286	.4203	.3104	.2770			.4902		.1241	-.1492	-.3141	-.1507	-.0570	
140.000										.0135					
160.000		.6081	.4687	.3749	.3305				.7023	-.1087	-.2834	-.1864	-.1373	-.0693	
180.000								.9745							
200.000									.7846						
220.000										-.1200	-.2828	-.1710	-.1313	-.0727	
240.000															
260.000															
280.000															
300.000															
320.000															
340.000															
360.000															
380.000															
400.000															
420.000															
440.000															
460.000															
480.000															
500.000															
520.000															
540.000															
560.000															
580.000															
600.000															
620.000															
640.000															
660.000															
680.000															
700.000															
720.000															
740.000															
760.000															
780.000															
800.000															
820.000															
840.000															
860.000															
880.000															
900.000															
920.000															
940.000															
960.000															
980.000															
1000.000															

ALPHA ( 1 ) = -.170 BETA ( 3 ) = 5.040

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PWT															
.000	1.5260	.7863	.3277	.1554	-.0803	.0030		-.0143		-.0107	-.0185	-.0039	-.0009	-.0387	-.0299
20.000		.3220	.1594	-.0813	.0181			-.0170		-.0137					
40.000		.3649	.1705	-.1037	.0218			.0053		-.0348	-.0059	-.0142	-.0193	-.0277	.0000
55.000		.4221	.1356	-.1428	.0341			.0263		.0093					
70.000		.4521	.1425	-.1425	.0606			.0333		.0727	-.1310	-.1605	-.1116	-.0471	
90.000		.5578	.2461	.1028	.0783			.0516		.0306	-.2132	-.2230	-.1191	-.0471	

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(RB4815)

ORB. FUSELAGE

ALPHA ( 1 ) = -.170 BETA ( 3 ) = 5.040

## SECTION ( 1 ) ORBITER FUSELAGE

DEPENDENT VARIABLE CP

X/LB .0000 .0040 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

PMI

120.000 .5113 .3247 .2210 .1813 .3592 .0090 -.2212 -.3822 -.1701 -.0675

140.000 .5312 .4199 .3327 .2703 .8498 .6835 -.1466 -.2842 -.1588 -.1444 -.1113

160.000 1.5260 .8632 .5665 .4731 .4029 .3409 1.0610 1.0380 .2391 -.2693 -.1698 -.1320 -.1047

180.000 .6530 .7500 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

X/LB .0000 .0040 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

PMI

120.000 .0013 -.0213 .0140 .0350 -.0772 .1024 .1562

140.000 .0276 .0273 .0253 -.0195 -.0901 -.1008 -.1618

160.000 .0330 .0276 -.0887 -.0089 -.0106 -.0394 -.0503

180.000 .0206 -.0332 .1167 .0540 -.0971 .1187 .0865

X/LB .0000 .0040 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

PMI

120.000 .0200 .0266 .1378 .0808 -.1612 .1273 .1499

140.000 .3390 .3393 .3973 -.0888 .0709 .1101

160.000 .0050 .0210 .2862 .3614 .0745 .0101 .1257

180.000 .0046 .2796 .1558 .0237 .1542

X/LB .0000 .0040 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

PMI

120.000 1.4640 1.0930 .5960 .3632 .2632 .0000

140.000 .97 .4413 .3134 .1881

160.000 .7369 .5009 .3878 .2314

180.000 .7502 .5026 .4013 .2302

X/LB .0000 .0040 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

PMI

120.000 .8214 .6330 .4242 .3039 .2200

140.000 .5275 .3114 .1962 .1765

160.000 .3692 .2161 .1645 .1602

180.000 .8084 .7499

ALPHA ( 2 ) = 10.090 BETA ( 1 ) = -5.070

## SECTION ( 1 ) ORBITER FUSELAGE

DEPENDENT VARIABLE CP

X/LB .0000 .0040 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

PMI

120.000 1.4640 1.0930 .5960 .3632 .2632 .0000

140.000 .97 .4413 .3134 .1881

160.000 .7369 .5009 .3878 .2314

180.000 .7502 .5026 .4013 .2302

X/LB .0000 .0040 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

PMI

120.000 .8214 .6330 .4242 .3039 .2200

140.000 .5275 .3114 .1962 .1765

160.000 .3692 .2161 .1645 .1602

180.000 .8084 .7499



ALPHA ( 2 ) = 10.090 BETA ( 1 ) = -5.070

ORB. FUSELAGE (RB4815)

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0200	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
165.000															
169.000															
174.000															
180.000	1.4840	.5676	.2747	.2009	.1378	.1632	.6767	.8793							
X/LB	.6530	.7300	.7810	.8230	.8620	.9230	.9630	1.0020	1.0210	1.0480					

-2312 -3421 -3081 -2114 -1055

-3162 -3668 -2644 -2013 -0771

PMI

.000	.1350	.1260	.1550	.1224	.0685	.0494	-.0173								
40.000	.1716	.2001	.1974	.1473	.0632	.0504	-.0336	-.0010	-.0006						
70.000	-.1096	-.1900	-.2540	-.2999	-.1280	-.1410	-.0450	-.0133	-.0440						
90.000	-.1006	-.1887	-.2494	-.1117	-.1210	-.1417	-.1804								
105.000		-.2081	-.0512	-.1100	-.1787	-.1904									
110.000															
120.000	-.2339	-.1633	.0156	.2963	-.1430	-.1780	-.1757	-.2270							
135.000		.0825	.0394	-.2074	-.0586	-.0750									
150.000	-.0932	-.0607	.1051	.1114	-.1027	-.0820	-.1477								
165.000	-.0845	.0388		.0358	.0217	-.1217									
180.000	-.0533	-.0466	.1034	.3548											

ALPHA ( 2 ) = 10.090 BETA ( 2 ) = .020

## SECTION ( 1 ) ORBITER FUSELAGE

## DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0200	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
.000	1.4720	1.1100	.5053	.3966	.2798	.0000									
20.000			.6340	.4206	.3102	.1958									
40.000			.6477	.4430	.3363	.2159									
55.000			.6073	.3915	.3019	.1456									
70.000			.5570	.3393	.2537	.1371									
90.000		.6374	.5243	.3162	.2052	.1428									
120.000			.4436	.2537	.1587	.1461									
140.000															
150.000			.3425	.2266	.1690	.1711									
160.000															
174.000															
180.000	1.4720	.5413	.2869	.2383	.1844	.1778	.7137								
X/LB	.6530	.7300	.7810	.8230	.8620	.9230	.9630	1.0020	1.0210	1.0480					

PMI

.000	1.4720	1.1100	.5053	.3966	.2798	.0000									
20.000			.6340	.4206	.3102	.1958									
40.000			.6477	.4430	.3363	.2159									
55.000			.6073	.3915	.3019	.1456									
70.000			.5570	.3393	.2537	.1371									
90.000		.6374	.5243	.3162	.2052	.1428									
120.000			.4436	.2537	.1587	.1461									
140.000															
150.000			.3425	.2266	.1690	.1711									
160.000															
174.000															
180.000	1.4720	.5413	.2869	.2383	.1844	.1778	.7137								
X/LB	.6530	.7300	.7810	.8230	.8620	.9230	.9630	1.0020	1.0210	1.0480					

(RB4815)

ORB. FUSELAGE

ALPHA ( 2 ) = 10.080 BETA ( 2 ) = .020

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## SECTION ( 1 ) ORBITER FUSELAGE

DEPENDENT VARIABLE CP

X/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480
PMI										
.000	.1399	.0975	.1667	.1495	.0960	.0667	-.0048		.0100	.0047
20.000	.1757	.1901	.1955	.1670	.0960	.0677	-.0118		-.0373	-.0533
40.000	.1635	-.1608	-.2723	-.2356	-.1821	-.1736	-.1683			
60.000	-.0973	-.1678	-.2290	-.1194	-.1563	-.1916	-.2102			
80.000		-.0612	-.0382	-.1545	-.2165	-.2122				
100.000							-.2280			
120.000	-.0956	-.0872	.0530	.1815	-.1776	-.1729	-.1747			
140.000			.1898	.1954	-.0734	-.0664	-.1210			
160.000	-.0494	-.0347	.2251	.3135	-.0078	-.0471	-.1410			
180.000	-.0303		.1716	.1436	-.0168	-.1373				
200.000	-.0297	-.0170	.1505	.4470						

ALPHA ( 2 ) = 10.080 BETA ( 3 ) = 5.010

## SECTION ( 1 ) ORBITER FUSELAGE

DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0200	.0470	.0700	.1120	.1590	.1670	.1780	.2090	.2520	.3010	.3790	.4990	.5760
PMI															
.000	1.4540	1.1080	.6128	.3995	.2813	.0000		.1449	.1333	.1093	.1007	.1070	.0909	.0954	
20.000			.5912	.3985	.2792	.1683		.1162	.1119	.0329	.0446	.0855	.0953	.1162	
40.000			.5278	.3473	.2481	.1389		.1325	.0328	-.0168					
60.000			.4485	.2529	.1680	.0256		.0438	.0135	-.1404	-.1066	-.1149	-.1820		
80.000		.4755	.4188	.2512	.1314	.0555		.0622	.0396	-.1590	-.1334	-.1461	-.1813		
100.000			.4101	.1868	.0324	.0592		.2664	.0633	-.2128	-.3288	-.2232	-.1032		
120.000			.3624	.1731	.0824	.0979			-.0960						
140.000			.2874	.1947	.1256			.4986	-.1994	-.3830	-.2883	-.1612	-.0593		
160.000								.6418							
180.000									.6101						
200.000										-.2405	-.3730	-.2326	-.1877	-.0643	
220.000															
240.000															
260.000															
280.000															
300.000															
320.000															
340.000															
360.000															
380.000															
400.000															
420.000															
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740.000															
760.000															
780.000															
800.000															
820.000															
840.000															
860.000															
880.000															
900.000															
920.000															
940.000															
960.000															
980.000															
1000.000															



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(RB4815)

ORB. FUSELAGE

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ALPHA ( 2 ) = 10.040 BETA ( 3 ) = 5.010

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480
PMI										
120.000	-.0594	-.0511	.0201	.0207	-.2052	-.2218	-.2437	-.2777		
135.000			.4424	.2609	-.1260	-.1287	-.1729			
150.000	-.0300	-.0136	.2497	.4539	-.0045	-.1160	-.2025			
165.000	-.0313		.1634		.1149	-.0837	-.2008			
180.000	-.0538	-.0360	.1169	.3607						

ALPHA ( 3 ) = 20.320 BETA ( 1 ) = -5.340

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0200	.0280	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
1.000	1.2610	1.3550	.9158	.6867	.5328	.0000		.3680	.3437	.3117	.2901	.2901	.2974	.3017	
20.000			.9745	.7375	.5799	.4641		.3724	.3587						
40.000			.9502	.7355	.5971	.4725		.3734	.3090	.2705	.2891	.3074	.3372	.3644	
55.000			.7789	.5517	.4284	.2428		.1903	.1328						
70.000			.6283	.4351	.3237	.2327		.1840	.1245	-.0748	-.0651	-.0187	-.1337		
90.000	.6537		.4954	.3405	.2337	.1703		.1355	.0845	-.1140	-.0388	-.0184	-.0312		
120.000			.3054	.1182	-.0105	-.0218		-.0195	.1281	-.0798	-.2435	-.4542	-.3656		
140.000									.0200	-.4317	-.4428	-.4094	-.4629		
150.000			.1414	-.0205	-.0439	.0106		.4893							
151.000								.4559							
155.000									.5721	-.2996	-.4017	-.3847	-.2827	-.3015	
162.000															
169.000								.5584							
174.000							.3413								
180.000	1.2610	.1932	.0393	-.0058	-.0139	.0213		.5949		-.3622	-.3961	-.2801	-.1872	-.0939	

X/LB	.5530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480
PMI										
1.000	.3741	.3490	.4193	.3753	.3192	.2797	.1854		.1885	.1775
40.000	.4160	.4643	.4855	.4217	.3192	.2751	.1580		.0899	.0302
70.000	-.2935	-.3632	-.4301	-.4516	-.4410	-.4284	-.3731			
90.000	-.0976	-.2774	-.4032	-.3597	-.3157	-.3130	-.2794			
105.000		-.2817	-.2213	-.2634	-.2880	-.2804				
110.000							-.3032			
120.000	-.2624	-.3039	-.0652	.0334	-.2314	-.2777	-.2799	-.2902		
135.000		.0026	-.0237	-.2534	-.2407	-.2506				
150.000	-.2463	-.1676	-.0125	.0360	-.3727	-.2307	-.2949			
159.000	-.2714		.0001		-.2714	-.4237	-.2566			
180.000	-.1338	-.1035	-.1798	.2252						

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ALPHA (3) = 20.330 BETA (2) = -.070

## SECTION (1) ORBITER FUSELAGE DEFENDENT VARIABLE CP

X/LB	.0000	.0060	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
.000	1.2780	1.3720	.9262	.6962	.5413	.0000		.3690		.3430	.3086	.2920	.3011	.3041	.3152
20.000			.5316	.7035	.5601	.4385		.3513		.3350					
40.000			.6235	.6408	.5388	.3832		.2839		.2209	.1807	.2371	.2711	.3084	.3462
60.000			.6032	.4110	.2911	.1031		.0498		.0142					
70.000			.4722	.2075	.2167	.1238		.0875		.0371	-.1393	-.1300	-.0907	-.2939	
90.000		.5012	.3236	.2361	.1430	.0785		.0635		.0265	-.1433	-.0817	-.0900	-.1380	
120.000			.2513	.0780	-.0275	.0318		.0550		.1003	-.1277	-.2752	-.4588	-.2772	
140.000								.0684							
150.000		.1243	.0174	-.0361	.0138				.4737	-.0505	-.4277	-.4028	-.2446	-.2519	
160.000								.5064							
170.000									.5885	-.2944	-.3964	-.3066	-.1820	-.0960	
180.000	1.2780	.1876	.0526	.0472	.0137	.0368	.4574	.6965		-.3984	-.4001	-.2486	-.1566	-.0672	

PMI

X/LB	.6530	.7500	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480
.000	.3616	.3265	.4401	.4048	.3448	.2925	.1933		.2040	.1814
40.000	.3617	.4505	.4729	.4280	.3233	.2831	.1720		.1165	.0470
70.000	.3029	.2637	.4418	-.4570	-.4437	.4157	-.3618			
90.000	.22306	-.3670	-.4620	-.4252	-.3768	-.3841	-.3505			
100.000		-.2479	-.3076	-.3658	-.3718	-.3415				
110.000								-.3346		
120.000	-.1444	-.1454	-.0448	.0059	-.2684	-.2724	-.2690	-.3363		
130.000			.0523	-.0249	.2181	-.1712	-.2148			
140.000	-.1714	-.1741	.1386	.3342	-.2235	-.2704	-.3203			
150.000	-.1494		-.1335		.0859	-.1316	-.2205			
160.000	-.1156	-.0922	-.1310	.3293						

ALPHA (3) = 20.340 BETA (3) = 5.250

## SECTION (1) ORBITER FUSELAGE DEFENDENT VARIABLE CP

X/LB	.0000	.0060	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
.000	1.2540	1.3640	.9231	.7067	.5625	.0300		.3748		.3538	.3223	.3017	.2979	.2908	.3248
20.000			.8718	.6554	.5257	.4140		.3151		.3100					
40.000			.6787	.5287	.4156	.2831		.1949		.1176	.0608	.1232	.2087	.2643	.3131
60.000			.4357	.2581	.1436	-.0367		-.1063		-.1489					
70.000			.3124	.1731	.1072	.0121		-.0132		-.0423	-.1481	-.1788	-.1793	-.4177	
90.000		.3694	.2554	.1333	.0603	-.0032		-.0042		-.0317	-.1552	-.1471	-.2011		





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ALPHA ( 3 ) = 20.340 BETA ( 3 ) = 5.250

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ORB. FUSELAGE

(RB4B15)

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0060	.0230	.0470	.0700	.1120	.1590	.1670	.1770	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
120.000			.1787	.0403	-.0360	-.0142		.0348		.0687	-.1665	-.3027	-.4144	-.2303	
140.000										-.0137					
150.000			.0867	.0349	.0021	.0268				-.2184	-.4148	-.3336	-.1676	-.1119	
151.000															
156.000								.5292							
162.000									.4972	-.2948	-.3912	-.2501	-.1509	-.0744	
163.000															
169.000								.6173							
174.000															
180.000	1.2540	.1760	.0400	.0543	.0256	.0358	.3778	.6340		-.3686	-.3879	-.2782	-.1921	-.1083	
X/LB	.6530	.7300	.7810	.8230	.8620	.9230	.9630	1.0020	1.0210	1.0480					

PMI															
.000	.3646	.3245	.4408	.3981	.3238	.2817	.1855								
40.000	.3636	.3753	.4589	.4084	.3378	.2767	.1651	.1838	.1722						
70.000	-.4243	.0145	-.4344	-.4393	-.4135	-.3732	-.3109	.1174	.0545						
90.000	-.3611	-.4340	-.4795	-.4543	-.4075	-.4228	-.3778								
105.000		-.3524	-.3657	-.4265	-.4145	-.4035									
110.000							-.3999								
120.000	-.1230	-.1604	-.0732	-.1791	-.3169	-.3015	-.3165	-.3394							
135.000		.2680	-.1788	-.2506	-.2769	-.3434									
150.000	-.1233	-.1277	-.0533	.4154	.0462	-.0744	-.1922								
165.000	-.1139		-.1287		.2684	.2202	-.1529								
180.000	-.1337	-.1544	-.1625	.1936											

ALPHA ( 4 ) = 26.950 BETA ( 4 ) = -5.710

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0060	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
.000	1.0840	1.4700	1.1190	.8982	.7521	.0000		.5430		.5206	.4788	.4698	.4818	.4691	.5013
20.000		1.1670	.9356	.7984	.6573			.5517		.5176					
40.000		1.0560	.8318	.7588	.6121			.5312		.4316	.3767	.4409	.4985	.5108	.5549
55.000			.7634	.5672	.4413	.2111		.1452		.1012					
70.000			.5678	.4184	.3153	.2260		.1833		.1278	-.0635	-.0598	-.0157	-.3826	
90.000	.5431	.4133	.2931	.1930	.1445			.1222		.0580	-.1287	-.0776	-.0315	-.0421	
120.000		.1603	.0144	-.1103	-.1801			-.1564		-.1224	-.1639	-.3519	-.4848	-.3164	
140.000								.0550							
150.000		.0015	-.1310	-.1575	-.1460			-.0709		-.4480	-.4655	-.3679	-.5042		
151.000								.2883							
156.000															
162.000								.4602							

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DATE 28 APR 75 TABULATED PRESSURE DATA - 74225

(RB4815)

ORB. FUSELAGE

ALPHA ( 4 ) = 26.930 BETA ( 1 ) = -3.710

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .0000 .0200 .0400 .0600 .0800 .1000 .1200 .1400 .1600 .1800 .2000 .2200 .3010 .3790 .4990 .5760

PMI

165.000 .5123 .5216 -.4224 -.4120 -.3639 -.4431

169.000

.5123

174.000

.5537

183.000

1.0840 .0272 -.0763 -.0784 -.0871 -.0622 .5720 -.4048 -.4158 -.2830 -.1838 -.2231

X/LB

.6530 .7300 .7810 .8230 .8620 .9230 .9630 1.0020 1.0210 1.0480

PMI

.0000 .5639 .5123 .6496 .5697 .4877 .4073 .2937

40.000 .6121 .7170 .7383 .6123 .4586 .4179 .2850

70.000 .3902 -.0024 -.4390 -.4377 -.4334 -.4328 -.4228

90.000 .2965 -.4562 -.5133 -.4915 -.3301 -.3938 -.3691

105.000 .1032 -.4010 -.4172 -.3921 -.3515 -.3115

110.000

120.000 -.2616 -.3008 -.1328 .0316 -.2642 -.3045 -.3342

135.000 .3802 -.0239 -.2449 -.2566 -.3019

150.000 -.2342 -.1746 .0039 .0753 -.2626 -.3488 -.3765

165.000 .2345 -.0169 -.1320 -.3585 -.3495

183.000 -.2386 -.1893 -.0503 .1333

ALPHA ( 4 ) = 26.970 BETA ( 2 ) = -.153

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .0000 .0200 .0400 .0600 .0800 .1000 .1200 .1400 .1600 .1800 .2000 .2200 .3010 .3790 .4990 .5760

PMI

.0000 1.0953 1.4840 1.1233 .8991 .7559 .0003

20.000 .0000 1.1153 .8911 .7546 .6223

40.000 .9104 .7503 .6393 .5034

55.000 .5303 .3953 .2659 .0557

70.000 .4334 .2603 .1884 .1041

90.000 .4094 .2931 .1760 .0318 .0403

120.000 .1019 -.0328 -.1437 -.1537

140.000

150.000 -.0121 -.0976 -.1063 -.0913

160.000

174.000

183.000

1.0890 .0243 -.0780 -.0465 -.0348 -.0453

.6530 .7300 .7810 .8230 .8620 .9230 .9630 1.0020 1.0210 1.0480

PMI

.0000 .5368 .5115 .3938 .0323

.0701 .0234 .1223



DATE 09 APR 75 TABULATED PRESSURE DATA - 04225

ARC97-716 0422 01 ORB. FUSELAGE (RB4815)

ALPHA ( 4 ) = 26.970 BETA ( 2 ) = -.150

SECTION ( 11 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.5530	.7330	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480
FWI										
.000	.5662	.5121	.6674	.5795	.5054	.4145	.3051		.3139	.3016
40.000	.5679	.6941	.6927	.4752	.4135	.2855			.2072	.1307
70.000	.4681	.1393	-.4544	-.4493	-.4389	-.4034	-.3246			
90.000	-.4470	-.5232	-.5455	-.5461	-.4280	-.4340	-.3119			
105.000			-.4640	-.5008	-.4852	-.4610	-.3349			
110.000								-.2430		
120.000	-.2566	-.2519	-.2492	-.1767	-.3259	-.3409	-.2946	-.2440		
135.000			.2524	-.0056	-.2986	-.2561	-.2809			
150.000	-.1391	-.1574	.0177	.2190	-.2298	-.3149	-.3574			
165.000	-.2102		-.1234		.0593	-.2261	-.3059			
180.000	-.2035	-.1380	-.1345	.2357						

ALPHA ( 4 ) = 27.020 BETA ( 3 ) = 5.510

SECTION ( 11 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0360	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
FWI															
.000	1.0740	1.4760	1.1200	.9328	.7620	.0000		.5492	.4724	.5272	.4723	.4657	.4834	.4740	.5090
20.000			1.0450	.6270	.7036	.5733		.4524	.4724	.4724	.4724	.2074	.2154	.3355	.4194
40.000				.7519	.6265	.5381	.5675	.2881	.2881	.2532	.1126	.1126	.3355	.4194	.4815
55.000				.4328	.2160	.0711	-.1223	-.2532	-.3363	-.0851	-.2162	-.2235	-.4922	-.4935	
70.000				.2503	.1382	.0452	-.0118	-.0345	-.0345	-.1100	-.2273	-.1917	-.1689	-.3513	
90.000	.2736		.1554	.0543	-.0176	-.0572	-.0746	-.0746	-.0746	-.0881	-.2088	-.3054	-.4462	-.2423	
120.000			.0222	-.0785	-.1634	-.1337	-.1035	-.1035	-.1035	-.0032	-.2029	-.4458	-.3943	-.2266	-.2521
140.000			-.0455	-.0775	-.0865	-.0545			.3752						
150.000								.4497							
160.000									.4617						
170.000										-.3296	-.4168	-.2391	-.1521	-.1216	
180.000	1.0740	.0169	-.0326	-.0504	-.0594	-.0563		.5933							
	.6530	.7530	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					

FWI															
.000	.5456	.5779	.6516	.5670	.4696	.4044	.2921		.3026	.2876					
40.000	.5455	.6545	.6512	.5647	.4513	.3374	.2525		.2217	.1488					
70.000	-.5325	-.0375	-.3948	-.3809	-.3558	-.3009	-.3532								
90.000	-.4488	-.4285	-.4400	-.4628	-.3822	-.2659	-.3602								
120.000			-.4430	-.4584	-.4477	-.4118	-.3462								

ARC97-716 0422 01

ORB. FUSELAGE

(RB4815)

ALPHA ( 4 ) = 27.000 BETA ( 3 ) = 5.510

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

W/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0400
PM1										
120.000	-.2632	-.3325	-.2577	-.4306	-.4878	-.4365	-.3614	-.3454		
135.000			.1157	-.0672	-.4095	-.4098	-.4117			
150.000	-.2043	-.2277	.0480	.3934	-.1590	-.1976	-.2485			
165.000	-.1815		-.1742		.2281	.0129	-.1230			
180.000	-.2421	-.1799	-.0474	.1487						



DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(R84816) ( 26 JAN 74 )

ARC97-116 0422 01

ORB. FUSELAGE

PARAMETRIC DATA

MACH = 2.200 ELEVON = .000  
RUDDER = .000 SPOILER = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
LREF = 38.7090 INCHES YMRP = .0000 INCHES  
BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

ALPHA ( 1 ) = -.120 BETA ( 1 ) = -4.980

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2320	.3010	.3740	.4990	.5760
PMI	.0000	1.7000	.8331	.3354	.1789	.0955	.0300	.0082	.0028	.0002	.0000	.0004	-.0024	-.0018	
20.000				.4124	.2096	.1372	.0440	.0003	-.0031						
40.000				.5544	.2842	.2040	.1059	.0416	-.0173	-.0222	-.0224	-.0066	-.0194	-.0015	
55.000				.6653	.4238	.3259	.1937	.1734	.1298						
70.000				.7161	.4721	.3611	.2487	.1977	.1543	.0359	.0140	.0351	.0104		
90.000			.9361	.7273	.5031	.3658	.2838	.2257	.1765	.0333	.0085	.0006	.0016		
120.000				.7183	.5239	.4021	.3567	.3580	.3356	.0775	-.1087	-.0621	-.0330		
140.000				.6339	.4840	.4021	.3612		.3043						
150.000								.9125	.1909	-.0987	-.0845	-.0811	-.0381		
151.000								1.0130							
156.000								1.0680							
162.000									.0829	-.1016	-.0889	-.0672	-.0458		
165.000															
169.000							.8950	1.1400							
174.000				.5461	.4393	.3801	.3437	1.1290	-.0347	-.1261	-.0645	-.0559	-.0525		
180.000	1.7000	.9567													
X/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					
PMI	.0185	-.0444	.0134	-.0237	-.0521	-.0564	-.0894		-.0885	-.0846					
40.000	.0031	-.0020	.0020	-.0211	-.0672	-.0618	-.0963		-.0781	-.0735					
70.000	.0222	-.0018	-.0323	-.0286	.0531	.0521	.0345								
90.000	.0208	.0249	-.0284	.1324	.0950	.0526	.0132								
105.000			-.0150	.1334	.1139	.0325	-.0020								
110.000								-.0387							
120.000	-.0104	-.0033	.1838	.4341	.0658	.0331	.0128	-.0227							
135.000				.3217	-.0277	-.0182	.0780								
150.000	-.0101	-.0275	.0667	.0304	.0265	.1639	.1388								
165.000	-.0282		-.0272		.3443	.2105	.0820								
180.000	-.0461	-.0368	.0345	.2155											

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ARC97-7:6 0422 01

ORB. FUSELAGE (RB4B16)

ALPHA ( 1 ) = -.120 BETA ( 2 ) = -4.300

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2030	.2320	.3010	.3790	.4990	.5760
PMI															
.000	1.7020	.8304	.3330	.1779	.0992	.0000		.0082		.0046	.0004	-.0040	.0002	-.0028	-.0007
20.000		.4035	.2064	.1380	.0475			.0021		-.0016					
40.000		.3392	.2762	.1980	.1043			.0380		-.0197	-.0234	-.0226	-.0045	-.0184	.0000
55.000		.6418	.4033	.3141	.1879			.1613		.1134					
70.000		.6868	.4532	.3445	.2325			.1822		.1369	-.0045	.0006	.0283	.0024	
90.000	.9062	.7005	.4881	.3551	.2532			.2087		.1601	.0204	-.0028	-.0114	-.0026	
120.000		.6944	.5033	.4016	.3436			.3544		.3154	.0542	-.1190	-.0684	-.0324	
140.000								.2848		.1787	-.1026	-.0889	-.0850	-.0371	
150.000		.6173	.4771	.4176	.3546			.8838							
151.000								.9477							
156.000								1.0720		.0784	-.1095	-.0924	-.0689	-.0457	
162.000															
163.000								1.1550							
169.000															
174.000								.9103		-.0407	-.1261	-.0675	-.0563	-.0537	
180.000	1.7020	.9465	.5414	.4394	.3822	.3441		1.1500							
X/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					

PMI

.000	.0194	-.0400	.0127	-.0257	-.0530	-.0593	-.0932								
40.000	.0049	.0000	.0071	-.0225	-.0572	-.0542	-.0978								
70.000	.0034	.0012	-.0391	-.0330	.0459	.0397	.0218								
90.000	.0056	.0007	-.0332	.1184	.0858	.0407	.0022								
105.000		-.0174	.1198	.1371	.0223	-.0071									
110.000															
120.000	-.0113	-.0037	.1889	.4101	.0537	.0270	.0046								
135.000		.2514	.3193	-.0233	-.0174	.0746									
150.000	-.0113	-.0223	.0776	.1586	.0392	.1706	.1227								
165.000	-.0309	-.0398	-.0398	.3243	.2012	.0773									
180.000	-.0405	-.0228	.0937	.2224											

ALPHA ( 1 ) = -.150 BETA ( 3 ) = -.080

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2030	.2320	.3010	.3790	.4990	.5760
PMI															
.000	1.6840	.8192	.3230	.1581	.0850	.0000		.0069		.0034	-.0102	-.0032	.0099	.0355	-.0138
20.000		.3597	.1755	.1130	.0475			.0017		-.0054					
40.000		.4433	.1080	.1100	.1170			.0165		-.0243	-.0211	-.0155	.0040	-.0044	-.0004
55.000		.5941	.3821	.10470	.11360			.0865		.0525					
70.000		.5393	.3558	.10330	.1429			.1035		.0677	-.0535	-.0469	-.0104	-.0334	
90.000	.7429	.5615	.3279	.10270	.1695			.1195		.0300	-.0100	-.0574	-.0571	-.0309	



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ORB. FUSELAGE (RB4816)

ARC97-716 0422 01

ALPHA ( 1 ) = -.150 BETA ( 3 ) = -.080

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0030	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
120.000			.5753	.6900	.9749	.2628		.2545		.2327	.0024	-.1640	-.0851	-.0344	
140.000										.1776					
150.000			.5421	.6713	.9285	.3094				.1135	-.1232	-.1007	-.0796	-.0453	
151.000															
156.000								.8390							
162.000								1.0080							
165.000										.0559	-.1278	-.0722	-.0554	-.0334	
169.000															
174.000								1.1170							
180.000	1.6840	.9113	.5233	.6715	.9161	.3355	.8804	1.1680		-.0486	-.1185	-.0774	-.0457	-.0755	
X/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					

PMI

120.000

140.000

150.000

151.000

156.000

162.000

165.000

169.000

174.000

180.000

X/LB

PMI

120.000

140.000

150.000

151.000

156.000

162.000

165.000

169.000

174.000

180.000

ALPHA ( 1 ) = -.180 BETA ( 4 ) = 4.510

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
120.000			.3322	.1652	.0926	.0000		.0085		.0038	-.0048	-.0063	.0044	-.0018	-.0015
140.000			.3393	.1652	.1015	.0355		.0070		-.0011					
150.000			.3683	.1843	.1220	.0515		.0137		-.0202	-.0092	-.0065	.0049	-.0018	.0154
151.000			.3331	.2225	.1577	.0626		.0407		.0069					
156.000			.4132	.2424	.1643	.0798		.0444		.0118	-.0797	-.0763	-.0563	-.0583	
162.000			.6224	.4412	.2715	.0975		.0533		.0512	-.0802	-.1003	-.0963	-.0586	
165.000				.4412	.2715	.0975		.0533		.0512	-.0802	-.1003	-.0963	-.0586	
169.000			.4721	.3301	.2375	.1934		.2761		.0794	-.0450	-.1886	-.1213	-.0586	
174.000										.0518	-.1404	-.0911	-.0798	-.0906	
180.000			.4788	.3365	.2349	.2675		.6357							
X/LB								.8561							

PMI

120.000

140.000

150.000

151.000

156.000

162.000

165.000

169.000

174.000

180.000

X/LB

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ORB. FUSELAGE (RB4B16)

ARC97-716 0422 01

ALPHA ( 1 ) = -.180 BETA ( 4 ) = 4.510

## SECTION ( 1 ) ORBITER FUSELAGE

## DEPENDENT VARIABLE CP

X/LB	.0000	.0060	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
165.000															
169.000															
174.000															
180.000	1.6690	.8847	.5242	.4323	.3823	.3326	.9352								
X/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					

PMI

.0000	.0181	-.0489	.0167	-.0254	-.0564	-.0620	-.0919								
40.000	.0213	.0162	.0218	-.0144	-.0528	-.0537	-.0875								
70.000	-.0206	.0174	-.0772	-.0794	-.0181	-.0150	-.0284								
90.000	-.0165	-.0204	-.0684	.0048	.0211	-.0338	-.0554								
105.000			-.0593	.0507	.0032	-.0407	-.0554								
110.000															
120.000	-.0165	-.0094	.0974	.1120	-.0804	-.0397	-.0325								
135.000			.2553	.3391	-.0454	-.0233	-.0388								
150.000	-.0162	-.0263	.1513	.2863	.0866	.0191	-.0308								
165.000	-.0371	.1225	.1388	.1388	.0552	-.0181									
180.000	-.0489	-.0386	.0756	.2158											

ALPHA ( 1 ) = -.180 BETA ( 5 ) = 4.970

## SECTION ( 1 ) ORBITER FUSELAGE

## DEPENDENT VARIABLE CP

X/LB	.0000	.0060	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
20.000	1.6650	.8222	.3373	.1688	.0844	.0000									
40.000			.3395	.1642	.0349	.0294									
70.000			.3628	.1748	.1169	.0406									
90.000			.3841	.2161	.1448	.0469									
105.000			.4044	.2365	.1516	.0736									
120.000	.6101	.4292	.2680	.1566	.0918										
140.000		.4628	.3272	.2335	.1331										
160.000		.4728	.3342	.3252	.2639										
180.000															
X/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					





DATE 09 APR 75 TABULATED PRESSURE DATA - Q4228

(RB4B16)

ORB. FUSELAGE

ARC97-716 Q422 01

ALPHA ( 1 ) = -.180 BETA ( 3 ) = 4.970

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

Y/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480
PMI										
.000	.0205	-.0500	.0200	-.0245	-.0545	-.0572	-.0888		-.0887	-.0858
40.000	.0244	.0205	.0230	-.0115	-.0496	-.0494	-.0839		-.0688	-.0758
70.000	-.0177	.0208	-.0762	-.0801	-.0176	-.0108	-.0257			
90.000	-.0147	-.0179	-.0562	.0070	.0198	-.0318	-.0538			
105.000		-.0052	-.0494	.0032	-.0379	-.0533				
110.000										
120.000	-.0130	-.0064	.0928	.0940	-.0810	-.0413	-.0326		-.0761	
135.000		.2399	.3384	-.0467	-.0271	-.0423			-.0583	
150.000	-.0147	-.0257	.1482	.2762	.0859	.0171	-.0326			
165.000	-.0402		.1253	.1279	.0597	-.0227				
180.000	-.0507	-.0416	.0670	.2123						

ALPHA ( 2 ) = 10.120 BETA ( 1 ) = -5.810

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

Y/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
.000	1.6220	1.1620	.6039	.4024	.2936	.0000		.1514	.1350	.1236	.1150	.1062	.1059	.0940	
20.000	.6896	.4570	.3512	.2266				.1642	.1482	.1482	.1594	.1525	.1555	.1261	.1383
40.000	.7886	.5213	.4295	.2975	.2375	.1863		.2375	.1863	.1741	-.0010	.0146	.0386	.0275	
55.000	.7825	.5375	.4445	.2778	.2208	.1741		.2208	.1741	.1616	.0115	.0207	.0293	.0089	
70.000	.7257	.4374	.3923	.2606	.2166	.1891		.2166	.1891	.1616	.0115	.0207	.0293	.0089	
90.000	.6530	.4537	.3455	.2579	.2166	.1891		.2166	.1891	.1616	.0115	.0207	.0293	.0089	
120.000	.5466	.3568	.2434	.2023				.2023	.1891	.1616	.0115	.0207	.0293	.0089	
140.000	.3943	.2466	.1863	.1571				.1571	.1406	.1236	.1150	.1062	.1059	.0940	
150.000															
151.000								.7196	.7887						
156.000															
162.000															
165.000								.8160							
169.000															
174.000															
180.000	1.6220	.5982	.2823	.2030	.1631	.1406		.1406	.1236	.1150	.1062	.1059	.0940		

Y/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480
PMI										
.000	.1243	-.0391	.1267	.0850	.0502	.0472	.0085		.0147	.0171
40.000	.1509	.1253	.1589	.1353	.0718	.0678	.0134		-.0122	-.0244
70.000	-.0040	.1268	-.1071	-.1195	-.0876	-.0565	-.0731			
90.000	-.0045	-.0075	-.1071	-.1139	-.0030	-.0500	-.0800			
105.000		-.1061	.0265	.0133	-.0545	-.0859				
110.000										

-.1222

ORB. FUSELAGE (RB4816)

ARC97-716 0422 01

ALPHA ( 2 ) = 10.120 BETA ( 1 ) = -5.810

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .6330 .7300 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

PMI

120.000 -.2221 -.1792 -.1097 .2814 -.0334 -.0763 -.0917 -.1193  
 135.000 -.1112 -.0409 -.1538 -.0883 -.0745  
 150.000 -.1615 -.1987 -.1433 -.1411 -.0531 -.0079 -.0613  
 165.000 -.0996 -.0822 .0720 .0568 .0362  
 180.000 -.0333 -.0804 -.1548

ALPHA ( 2 ) = 10.110 BETA ( 2 ) = -.760

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .0000 .0080 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2050 .2320 .3010 .3790 .4990 .5760

PMI

1.6130 1.1570 .6036 .5877 .2828 .0000 .1493 .1355 .1209 .1141 .1084 .1031 .1019  
 20.000 .6332 .4122 .3135 .1939 .1453  
 40.000 .6552 .4308 .3427 .2292 .1628 .1133 .1079 .1197 .1375 .1207 .1356  
 55.000 .6048 .3951 .3039 .1713 .1238 .0954  
 70.000 .5429 .3508 .2649 .1554 .1170 .0798 -.0549 -.0370 -.0232 -.0288  
 90.000 .7034 .4948 .3341 .2239 .1498 .0815 -.0414 -.0385 -.0232 -.0414  
 120.000 .4334 .2772 .1856 .1362 .1581 .1579 -.0113 -.1239 -.1527 -.1989  
 140.000 .3277 .2223 .1718 .1419 .1449 .0428 -.1805 -.1693 -.1337 -.0797  
 150.000 .5494  
 151.000 .5743  
 156.000 .7218  
 162.000 -.0458 -.1803 -.1527 -.1211 -.0715  
 169.000 .7676  
 174.000 .4889  
 180.000 7818

1.6130 .5746 .2700 .2100 .1747 .1576 .4889  
 .6330 .7300 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

PMI

.000 .1339 -.0396 .1285 .0873 .0580 .0528 .0146  
 40.000 .1430 .1191 .1546 .1285 .0685 .0634 .0092  
 70.000 .0529 .1263 .1478 .1638 .1235 .1198 .1318  
 90.000 .0524 .0909 .1493 .1154 .0693 .0382 .1191  
 105.000 .1349 .0453 .0435 .0390 .1218  
 110.000 .1481  
 120.000 -.1140 -.0893 .0108 .2354 -.0617 -.0963 -.1045 -.1110  
 135.000 .0404 .0772 -.1000 .0259 .0414  
 150.000 -.0753 -.0551 .0296 .1228 .0037 .0337 .0404  
 155.000 .0398 .0340 .1566 .0649 .0111  
 180.000 .0396 -.0215 .0249 .2557

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ORB. FUSELAGE

(RB4816)

ALPHA ( 2 ) = 10.100 BETA ( 3 ) = 4.310

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/B	.0000	.0080	.0200	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
CHI															
.000	1.5360	1.1440	.6068	.3844	.2800	.0000		.1478		.1345	.1173	.1112	.1092	.1050	.0960
20.000		.5362	.3780	.2802	.1841			.1025		.1215					
40.000		.5478	.3550	.2703	.1632			.1217		.0678	.0555	.0737	.0949	.0961	.1118
55.000		.4650	.2837	.2025	.0862			.0533		.0168					
70.000		.4021	.2335	.1617	.0848			.0535		.0202	-.0878	-.0677	-.0605	-.0899	
90.000		.5714	.3589	.2286	.1341	.0841		.0597		.0274	-.0744	-.0642	-.0674	-.0978	
120.000		.3769	.2032	.1157	.0388			.1209		.0813	-.0668	-.1662	-.1559	-.1072	
140.000										.0325					
150.000		.2667	.1913	.1405	.1153				.4715	-.0047	-.1878	-.1662	-.1252	-.0704	
151.000								.7083							
155.000									.6741						
162.000										-.0729	-.1881	-.1480	-.1186	-.0704	
165.000								.7344							
174.000					.5187			.7676							
180.000	1.5960	.5544	.2701	.2010	.1674	.1404				-.1194	-.1871	-.1435	-.1230	-.0888	
X/B	.6500	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					
CHI															
.000	.1269	-.0436	.1318	.0856	.0465	.0511	.0064		.0132	.0161					
40.000	.1261	-.1034	.1321	.1037	.0614	.0568	.0072		-.0103	-.0242					
70.000	-.1322	.1136	-.1687	-.1856	-.1539	-.1601	-.1702								
90.000	-.1139	-.0784	-.1521	-.1337	-.0949	-.1265	-.1469								
105.000		-.0873	-.0534	-.0836	-.1223	-.1370									
110.000															
120.000	-.0707	-.0471	.0213	.0305	-.0779	-.0383	-.0966								
135.000		.3120	.1746	-.0525	-.0340	-.0528									
150.000	-.0443	-.0323	.0548	.2687	.0627	-.0134	-.0665								
165.000	-.0441	-.0518			.1709	.0430	-.0340								
180.000	-.0439	-.0554	-.0763	.1223											

ALPHA ( 3 ) = 20.390 BETA ( 1 ) = -6.170

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/B	.0000	.0080	.0200	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
CHI															
.000	1.4070	1.4450	.9267	.6784	.5487	.0000		.3694		.3458	.3252	.3059	.2954	.2855	.2814
20.000		.9395	.7461	.6160	.4635			.3871		.3697					
40.000		.9390	.7630	.6513	.5655			.4383		.3439	.2960	.3174	.3409	.3295	.3634
55.000		.8206	.6187	.4917	.3584			.2424		.1896					
70.000		.6661	.4835	.3303	.2724			.2281		.1808	.0096	.0150	.0214	-.0462	
90.000		.7360	.5126	.3374	.2370	.2034		.1874		.1366	-.0211	-.0073	-.0019	.0013	

ALPHA ( 3 ) = 20.395      BETA ( 1 ) = -6.170

(RB4B1E)

ORB. FUSELAGE

ARC97-716 JAZZ 01

DEPENDENT VARIABLE CP

SECTION ( ) ORBITER FUSELAGE

[illegible]

### III.

[illegible]
$$\text{ALPHA} ( 3 ) = 23.403 \quad \text{BETA} ( 2 ) = -.873$$

DEPENDENT VARIABLE CP

SECTION ( 1 ) ORBITER FUSELAGE

[illegible]

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(RB4516)

ORB. FUSELAGE

ARC97-716 0A22 01

ALPHA ( 3 ) = 20.400 BETA ( 2 ) = -.870

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0200	.0400	.0700	.1100	.1500	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
165.000								.4948							
169.000							.2818								
174.000								.5202							
180.000	1.4160	.2975	.0751	.0490	.0338	.0230									
X/LB	.6500	.7300	.7810	.8200	.8620	.9200	.9600	1.0020	1.0210	1.0480					
PMI															
.000	.3368	.2698	.3442	.2954	.2417	.2377	.1835								
40.000	.3550	.3511	.3796	.3484	.2718	.2514	.1754								
70.000	-.1983	-.0349	-.1919	-.2136	-.2119	-.2122	-.2073								
90.000	-.1127	-.1890	-.2371	-.2347	-.1805	-.2117	-.2107								
105.000		-.1919	-.1601	-.1773	-.1930	-.1987									
110.000															
120.000	-.1429	-.1671	-.0633	.1500	-.1253	-.1621	-.1610								
135.000		.0537	.0126	-.1727	-.1385	-.1368									
150.000	-.1644	-.1201	-.0363	.0525	-.1300	-.1593	-.1876								
165.000	-.1474	-.1190	.0571	-.0429	-.1312										
180.000	-.0372	-.1124	-.1373	.0471											

ALPHA ( 3 ) = 20.410 BETA ( 3 ) = 4.440

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0200	.0400	.0700	.1100	.1500	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
.000	1.4020	1.4400	.9230	.6735	.5457	.0000									
20.000		.8862	.6372	.5247	.4134										
40.000		.7108	.5454	.4467	.3145										
55.000		.4931	.3120	.2017	.0500										
70.000		.3556	.2145	.1477	.0542										
90.000		.2621	.1547	.0356	.0422										
105.000		.1828	.0806	.0002	-.0000										
120.000															
140.000		.1056	.0424	.0169	.0196										
150.000															
160.000															
170.000															
180.000															
X/LB	1.4020	.2314	.0730	.0436	.0230	.0230	.2564								
	.6500	.7300	.7810	.8200	.8620	.9200	.9600	1.0020	1.0210	1.0480					

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(RB4816)

ORB. FUSELAGE

ALPHA ( 3 ) = 20.410 BETA ( 3 ) = 4.440

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

W/LB .6530 .7300 .7810 .8230 .8620 .9230 .9630 1.0020 1.0210 1.0480

PMI									
.000	.3490	.2106	.3487	.3007	.2466	.2392	.1786	.1857	.1862
40.000	.3347	.3153	.3421	.2529	.2375	.1695	.1475	.1226	
70.000	-.2399	-.2012	-.1954	-.2160	-.2093	-.1932			
90.000	-.2153	-.2423	-.2674	-.2623	-.1949	-.2453	-.2433		
105.000		-.2225	-.2235	-.2401	-.2516	-.2369			
110.000							-.2119		
120.000	-.0945	-.1155	-.0774	-.0034	-.1827	-.2059	-.1739	-.1973	
135.000			.0182	-.0036	-.1763	-.1159	-.1551		
150.000	-.1204	-.1159	-.0789	.1925	.0224	-.0133	-.0903		
165.000	-.1041		-.1274		.0009	.1170	-.0165		
180.000	-.1419	-.1509	-.1716	-.0133					

ALPHA ( 4 ) = 27.000 BETA ( 4 ) = -6.510

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

W/LB .0000 .0080 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2050 .2320 .3010 .3790 .4990 .5760

PMI														
.000	1.2260	1.5850	1.1430	.8965	.7398	.0000	.5447	.5183	.4913	.4691	.4583	.4501	.4558	
20.000		1.2090	.9593	.8032	.5513		.5240	.5391						
40.000		1.1240	.9228	.7970	.6483		.5304	.4612	.3954	.4432	.4885	.5053	.5419	
55.000		.8310	.6264	.4909	.2909		.2057	.1679						
70.000		.6121	.4558	.3638	.2705		.2324	.1827	.0244	.0283	.0577	-.1792		
90.000	.6443	.4539	.3365	.2589	.2322		.1809	.1325	-.0197	.0087	.0392	.0225		
105.000		.2278	.0955	.0062	-.0539		-.0310	-.0240	-.1519	-.2397	-.2359	-.2315		
120.000							.0041							
140.000		.0658	-.0383	-.0796	-.1790		.2789	.0219	-.2428	-.2533	-.2686	-.2674		
150.000							.2916							
156.000								.3656	-.1489	-.2441	-.2471	-.2156	-.2699	
162.000														
169.000							.3482							
180.000	1.2260	.1625	-.0093	-.0378	-.0539	-.0467	.1889							
W/LB	.6530	.7500	.7810	.8230	.8620	.9230	.9630	1.0020	1.0210	1.0480				

PMI													
.000	.5153	.5297	.5312	.4942	.4327	.4022	.3354	.3518	.3456				
40.000	.5845	.5801	.6206	.5793	.4726	.4473	.3437	.2746	.2264				
70.000	-.1982	-.1386	-.1303	.0310	-.1323	-.1378	-.1988						
90.000	-.0932	-.2326	-.2481	-.2547	-.1749	-.2335	-.1983						
105.000		-.1844	-.1572	-.1754	-.1712	-.1589							
110.000							-.1885						





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ORB. FUSELAGE (R84816)

ARC97-716 0422 01

ALPHA (4) = 27.100 BETA (3) = 4.733

## SECTION 111 ORBITER FUSELAGE DEPENDENT VARIABLE CP

Y/B	.0000	.0000	.0200	.0400	.0600	.0800	.1000	.1200	.1400	.1600	.1800	.2000	.2200	.2400	.2600	.2800	.3000	.3200	.3400	.3600	.3800	.4000
FWI																						
0.000	1.2220	1.5600	1.1320	.6871	.7431	.7431	.6900			.5341	.4925	.4680	.4646	.4579	.4709							
20.000		1.3600	.8330	.7957	.5967	.5967				.4833	.4738											
40.000		.8000	.6062	.5516	.4139	.4139				.3432	.2937	.2656	.3511	.4132	.4761							
60.000		.4839	.3060	.1754	.2001					-.1029												
80.000		.3043	.1793	.1192	.2403					.0216												
100.000		.3061	.2398	.1492	.0603	.2162				.0009												
120.000		.2393	.2016	.1302	.0476					-.0871												
140.000																						
160.000		.3147	-.0332	-.0465	-.0424					.2549												
180.000										.2881												
200.000										.3361												
220.000																						
240.000																						
260.000																						
280.000																						
300.000																						
320.000																						
340.000																						
360.000																						
380.000																						
400.000																						
420.000																						
440.000																						
460.000																						
480.000																						
500.000																						
520.000																						
540.000																						
560.000																						
580.000																						
600.000																						
620.000																						
640.000																						
660.000																						
680.000																						
700.000																						
720.000																						
740.000																						
760.000																						
780.000																						
800.000																						
820.000																						
840.000																						
860.000																						
880.000																						
900.000																						
920.000																						
940.000																						
960.000																						
980.000																						
1000.000																						





PARAFRASE DATA

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MACH = 1.550 ELEVON = -20.000
RUDDER = .000 SPCBRK = .000

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REFERENCE DATA

WATER	=	2.4210	50.00	X400	=	97.5000	INCHES
WATER	=	30.0000	INCHES	X400	=	12000	INCHES
WATER	=	30.0000	INCHES	X400	=	12000	INCHES
WATER	=	10000	SCALE				

$$8274 (1) = -5.333$$

DEPENDENT VARIABLE: CP

YR	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922	2923	2924	2925	2926	2927	2928	2929	2930	2931	2932	2933	2934	2935	2936	2937	2938	2939	2940	2941	2942	2943	2944	2945	2946	2947	2948	29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**ORIGINAL PAGE IS  
OF POOR QUALITY**

ARC97-716 0422 01

ORB. FUSELAGE

(884917)

ALPHA (1) = -.160 BETA (2) = -.060

SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE C<sub>D</sub>

K/L	.0000	.0080	.0250	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5700
M1															
.000	1.5433	.7837	3158	.1531	.0537	.0000		-.0148		-.0165	-.0174	.0004	.0119	-.0191	-.0232
20.000			.3527	.1777	.0745	-.0115		-.0161		-.0181		-.0489	-.0387	-.0174	-.0033
40.000			.4573	.1943	.1247	.0157		-.0328		-.0479	-.0237				
60.000			.5435	.2745	.2355	.0802		-.0876		.0633					
80.000			.5888	.3133	.2815	.1431		.1139		.1408	-.1469	-.1078	-.0759	-.0483	
90.000		.7518	.6054	.3573	.2222	.1634		.1461		.1209	-.1452	-.1631	-.1225	-.0490	
120.000			.6289	.4133	.2365	.2761		.4885		.1315	-.1416	-.3128	-.1438	-.0586	
140.000										.0249					
150.000			.6067	.4575	.3641	.3339			.6999	-.1015	-.2776	-.1881	-.1382	-.0693	
155.000								.9745							
156.000									.7864	-.1131	-.2776	-.1714	-.1372	-.0733	
162.000															
165.000															
169.000															
174.000															
180.000	1.5430	.9002	.5788	.1718	.3913	.3472	1.1440	1.0610		-.2633	-.2617	-.1358	-.1205	-.0674	
K/L	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					

M1

.000	.0027	-.0386	.0130	-.0284	-.0824	-.1049	-.1539								
40.000	.0223	.0133	.0113	-.0237	-.0939	-.1739	-.2167								
70.000	.0130	.0140	-.0916	.0249	.2227	.3951	.4502								
90.000	.3266	-.0433	-.0020	.0435	.1342	.3858	.3032								
105.000			.1184	.0763	-.0335	.2713	.3361	.3845							
120.000								.1822							
125.000	-.0033	.0209	.2169	.2843	-.0683	-.0908	.2325								
135.000			.3179	.4337	-.0295	.0441	.0222								
150.000	-.0310	.0129	.3744	.3742	.1168	.0666	-.0438								
165.000	-.0006		.3136		.2452	.1372	-.0903								
180.000	-.0366	.0233	.3143	.3936											

ALPHA (1) = -.180 BETA (3) = 4.930

SECTION (1) ORBITER FUSELAGE DEPENDENT VARIABLE C<sub>D</sub>

K/L	.0000	.0080	.0250	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5700
M1															
.000	1.3250	.0386	.3232	.1532	1.4670	.3030		-.0113		-.0045	-.0178	-.0045	.0325	.0370	-.0419
20.000			.3222	.1618	1.4663	1.1313		-.0163		-.0113					
40.000			.3728	1.3640	1.4350	1.2250		.0354		-.0354	-.0354	-.162	-.0263	-.0371	-.0108
60.000			.4248	1.3353	1.3923	1.3100		.0294		.0354					
80.000			.4574	1.3193	1.4313	.0650		.0364		.0748	-.1324	-.1592	-.1247	-.0243	
90.000		.5648	.4794	1.2780	1.4053	.0426		.0537		.0300	-.2157	-.2292	-.1585	-.0547	
120.000															





ALPHA ( 2 ) = 10.070 BETA ( 1 ) = -5.160

ORB. FUSELAGE (RB4817)

ARC97-716 0A22 01

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0200	.0470	.0700	.1120	.1590	.1670	.1760	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
169.000															
169.000															
174.000															
180.000	1.4610	.5712	.2756	.2139	.1695	.1648	.6727								
X/LB	.6530	.7500	.7610	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					
PMI															
.000	.1367	-.0639	.1606	.1239	.0725	.0505	-.0214								
40.000	.1752	.1536	.1949	.1453	.0669	-.0426	-.1031								
70.000	-.1035	.1902	-.2475	-.2884	-.0605	.2154	.1831								
90.000	-.0946	-.1238	-.2489	-.1027	-.0332	.1040	.1452								
105.000		-.2094	-.0470	-.0742	-.1411	.1196									
110.000															
120.000	-.2379	-.1780	.0152	.2938	-.1371	-.1597	-.1314								
135.000		.0877	.0969	-.2105	.0526	-.0677									
150.000	-.1022	-.0556	.1387	.1048	-.1155	.0535	-.1459								
165.000	-.0842	.0979		.0963	.0235	-.1209									
180.000	-.0845	-.0529	.1035	.3561											

ALPHA ( 2 ) = 10.070 BETA ( 2 ) = -.120

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0200	.0470	.0700	.1120	.1590	.1670	.1760	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
.000	1.4710	1.1060	.6039	.2936	.2734	.0000									
20.000		.6298	.4202	.3093	.1963										
40.000		.6494	.4437	.3373	.2192										
55.000		.6133	.3961	.3037	.1454										
70.000		.5731	.3469	.2638	.1377										
90.000	.6401	.5286	.3107	.2039	.1414										
120.000		.4533	.2581	.1584	.1450										
140.000		.3465	.2256	.1704	.1699										
150.000															
151.000															
156.000															
162.000															
165.000															
169.000															
174.000															
180.000	1.4710	.5416	.2882	.2382	.1843	.1766	.7043								
X/LB	.6530	.7500	.7610	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					





ARC97-716 OM22 O1

ORB. FUSELAGE

(RB4817)

ALPHA ( 2 ) = 10.060 BETA ( 3 ) = 4.920

SECTION ( 1 ) ORBITER FUSELAGE

DEPENDENT VARIABLE CP

X/LB .6530 .7300 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

PMI

120.000 -.0728 -.0724 .0185 .0254 -.2040 -.2200 -.2320 -.1010  
 135.000 .4330 .2578 -.1278 -.1234 -.1723  
 150.000 -.0721 -.0285 .2459 -.0379 -.1141 -.2026  
 165.000 -.0544 .1571 .1130 -.0828 -.1937  
 180.000 -.0544 -.0527 .1106 .3512

ALPHA ( 3 ) = 20.300 BETA ( 1 ) = -5.360

SECTION ( 1 ) ORBITER FUSELAGE

DEPENDENT VARIABLE CP

X/LB .0000 .0080 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2030 .2520 .3010 .3790 .4990 .5760

PMI

.0000 1.2610 1.3350 .9138 .6892 .5205 .0000 .3597 .3413 .3057 .2896 .2978 .2958 .2998  
 20.000 .9730 .7387 .5658 .4476 .3678  
 40.000 .9493 .7245 .5827 .4593 .3684 .3020 .2604 .2825 .3112 .3330 .3610  
 55.000 .7765 .5374 .4134 .2239 .1865 .1238  
 70.000 .6333 .4213 .3103 .2239 .1779 .1197 .0863 .0739 .0180 .1132  
 90.000 .6520 .4954 .3204 .2091 .1569 .1316 .0731 .1226 .0408 .0176 .0525  
 120.000 .3093 .0971 .0329 .0220 .0205 .1137 .0894 .2459 .4571 .2680  
 140.000 .1409 .0478 .0709 .0076 .0123 .4438 .4484 .82 .4695  
 150.000 .4898  
 151.000 .4499  
 156.000 .5710  
 162.000 .3102 .4156 .3894 .2872 .3183  
 163.000 .5401  
 169.000 .3403 .5941  
 174.000 .3753 .4116 .2845 .1896 .0961

X/LB .6530 .7300 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

PMI

.0000 .3697 -.1640 .4181 .3774 .3144 .2712 .1551 .1053 .0911  
 40.000 .4151 .4087 .4857 .4169 .3065 .1374 .0554 .0469 .0078  
 70.000 .3019 .4514 .4283 .4521 .2380 .1452 .0135  
 90.000 .1021 .2259 .4054 .3636 .3135 .2680 .1083  
 105.000 .2827 .2244 .2016 .2523 .2479  
 110.000 .0280  
 120.000 .2542 .3033 .0682 .0893 .2325 .2506 .2725 .1245  
 135.000 .0565 .0530 .2583 .2585 .2473  
 150.000 .2542 .1721 .0181 .0303 .2760 .2331 .3130  
 165.000 .2726 .0324 .2710 .4359 .3225  
 180.000 .1936 .1707 .1806 .2206



ALPHA ( 3 ) = 20.310 BETA ( 2 ) = -.070

ARC37-716 0A22 01

ORB. FUSELAGE

(RB4817)

## SECTION ( 1 ) ORBITER FUSELAGE

DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0200	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
CHI															
.00	1.2780	1.3590	.9224	.6965	.5327	.0000		.3309		.3054	.3061	.2892	.2992	.2988	.3128
20.000			.9251	.6999	.5385	.4214		.3351		.2930					
40.000			.8166	.6223	.4899	.3577		.2454		.2160	.1788	.2303	.2638	.2988	.3393
55.000			.6321	.3915	.2686	.0830		-.0173		.0073					
70.000			.4713	.2819	.1987	.0595		.0220		.0309	-.1440	-.1337	-.0965	-.2965	
90.000		.5000	.3783	.2147	.1193	.0118		-.0038		.0232	-.1447	-.0868	-.0961	-.1422	
120.000			.2452	.0541	-.0423	-.0642		-.0100		.0377	-.1297	-.2794	-.4631	-.4284	
140.000										.0644					
150.000			.1240	-.0049	-.0311	-.0479			.4520	-.0675	-.4295	-.4107	-.2517	-.2517	
151.000								.5157							
156.000									.5724						
162.000								.6834		-.2349	-.4006	-.3132	-.1863	-.1025	
169.000															
174.000															
190.000	1.2780	.1864	.0507	.0263	-.0090	-.0304	.4273	.7362		-.4003	-.4039	-.2464	-.1632	-.0714	
X/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					

CHI

.000	.3603	-.1203	.4359	.4012	.3385	.2881	.1652								
40.000	.3760	.4315	.4730	.4174	.3223	.1485	.0670		.1127	.0935					
70.000	-.3560	.4396	.4388	.4497	-.3322	-.2195	-.1687		.0473	.0383					
90.000	-.2359	-.3252	-.4610	-.4246	-.3765	-.3432	-.0388								
105.000		-.2496	-.3077	-.3038	-.3495	-.3125									
110.000							-.0825								
120.000	-.1193	-.1500	-.0472	.0320	-.2659	-.2573	-.2537	-.2316							
135.000			.0476	-.0248	-.2256	-.1664	-.2081								
150.000	-.1573	-.1757	.1047	.3467	-.2203	-.2716	-.3234								
165.000	-.1130		-.1549		.0380	-.1308	-.2239								
180.000	-.1129	-.0975	-.1317	.3266											

ALPHA ( 3 ) = 20.330 BETA ( 3 ) = 5.360

## SECTION ( 1 ) ORBITER FUSELAGE

DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0200	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
CHI															
.000	1.3530	1.3610	.9167	.7025	.9122	.0000		.2674		.2400	.3030	.2859	.2861	.2735	-.4787
20.000			.8675	.6469	.9435	1.0400		.1906		.1834					
40.000			.6563	.3565	1.3410	1.1510		.0350		.1047	.0415	.1054	.1904	.2427	-.5144
55.000			.4840	1.1700	1.2720	1.4230		-.3481		-.1638					
70.000			.3014	1.2430	1.3310	1.1316		-.2300		-.0568	-.2036	-.1952	-.2048	-.4534	
90.000		.3587	.2409	1.2760	1.0750	-.2232		-.2122		-.0237	-.1822	-.1416	-.1700	-.2308	





DATE 03 APR 75

088 FIRST AGE (R84B17)

AR, 7-716 DA22 01

$$\text{ALPHA} ( 4 ) = 26.930 \quad \text{BETA} ( 1 ) = -5.100$$

DEPENDENT VARIABLE CP

[illegible][illegible]
$$A_{\text{CHA}}(1) = 25.960 \quad 3E7A(2) = -.050$$

SECTION / CURRENT FUSE AGE	DEPENDENT VARIABLE C <sup>2</sup>
1	0.0000
2	0.0000
3	0.0000
4	0.0000
5	0.0000
6	0.0000
7	0.0000
8	0.0000
9	0.0000
10	0.0000
11	0.0000
12	0.0000
13	0.0000
14	0.0000
15	0.0000
16	0.0000
17	0.0000
18	0.0000
19	0.0000
20	0.0000
21	0.0000
22	0.0000
23	0.0000
24	0.0000
25	0.0000
26	0.0000
27	0.0000
28	0.0000
29	0.0000
30	0.0000
31	0.0000
32	0.0000
33	0.0000
34	0.0000
35	0.0000
36	0.0000
37	0.0000
38	0.0000
39	0.0000
40	0.0000
41	0.0000
42	0.0000
43	0.0000
44	0.0000
45	0.0000
46	0.0000
47	0.0000
48	0.0000
49	0.0000
50	0.0000
51	0.0000
52	0.0000
53	0.0000
54	0.0000
55	0.0000
56	0.0000
57	0.0000
58	0.0000
59	0.0000
60	0.0000
61	0.0000
62	0.0000
63	0.0000
64	0.0000
65	0.0000
66	0.0000
67	0.0000
68	0.0000
69	0.0000
70	0.0000
71	0.0000
72	0.0000
73	0.0000
74	0.0000
75	0.0000
76	0.0000
77	0.0000
78	0.0000
79	0.0000
80	0.0000
81	0.0000
82	0.0000
83	0.0000
84	0.0000
85	0.0000
86	0.0000
87	0.0000
88	0.0000
89	0.0000
90	0.0000
91	0.0000
92	0.0000
93	0.0000
94	0.0000
95	0.0000
96	0.0000
97	0.0000
98	0.0000
99	0.0000
100	0.0000

DATE	00000	00800	02000	03400	04700	05900	07100	08300	09500	10700	11900	13100	14300	15500	16700	17900	19100	20300	21500	22700	23900	25100	26300	27500	28700	29900	31100	32300	33500	34700	35900	37100	38300	39500	40700	41900	43100	44300	45500	46700	47900	49100	50300	51500	52700	53900	55100	56300	57500	58700	59900	61100	62300	63500	64700	65900	67100	68300	69500	70700	71900	73100	74300	75500	76700	77900	79100	80300	81500	82700	83900	85100	86300	87500	88700	89900	91100	92300	93500	94700	95900	97100	98300	99500	100700	101900	103100	104300	105500	106700	107900	109100	110300	111500	112700	113900	115100	116300	117500	118700	119900	121100	122300	123500	124700	125900	127100	128300	129500	130700	131900	133100	134300	135500	136700	137900	139100	140300	141500	142700	143900	145100	146300	147500	148700	149900	151100	152300	153500	154700	155900	157100	158300	159500	160700	161900	163100	164300	165500	166700	167900	169100	170300	171500	172700	173900	175100	176300	177500	178700	179900	181100	182300	183500	184700	185900	187100	188300	189500	190700	191900	193100	194300	195500	196700	197900	199100	200300	201500	202700	203900	205100	206300	207500	208700	209900	211100	212300	213500	214700	215900	217100	218300	219500	220700	221900	223100	224300	225500	226700	227900	229100	230300	231500	232700	233900	235100	236300	237500	238700	239900	241100	242300	243500	244700	245900	247100	248300	249500	250700	251900	253100	254300	255500	256700	257900	259100	260300	261500	262700	263900	265100	266300	267500	268700	269900	271100	272300	273500	274700	275900	277100	278300	279500	280700	281900	283100	284300	285500	286700	287900	289100	290300	291500	292700	293900	295100	296300	297500	298700	299900	301100	302300	303500	304700	305900	307100	308300	309500	310700	311900	313100	314300	315500	316700	317900	319100	320300	321500	322700	323900	325100	326300	327500	328700	329900	331100	332300	333500	334700	335900	337100	338300	339500	340700	341900	343100	344300	345500	346700	347900	349100	350300	351500	352700	353900	355100	356300	357500	358700	359900	361100	362300	363500	364700	365900	367100	368300	369500	370700	371900	373100	374300	375500	376700	377900	379100	380300	381500	382700	383900	385100	386300	387500	388700	389900	391100	392300	393500	394700	395900	397100	398300	399500	400700	401900	403100	404300	405500	406700	407900	409100	410300	411500	412700	413900	415100	416300	417500	418700	419900	421100	422300	423500	424700	425900	427100	428300	429500	430700	431900	433100	434300	435500	436700	437900	439100	440300	441500	442700	443900	445100	446300	447500	448700	449900	451100	452300	45
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(RB4B17)

ORB. FUSELAGE

ARC97-716 QM22 01

ALPHA ( 4 ) = 26.960 BETA ( 2 ) = -.360

SECTION ( 1 ) ORBITER FUSELAGE DEFLECTION VARIABLE CP

X/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480
MI										
.000	.5606	-.2071	.6581	.5736	.4878	.4049	.2476		.1930	.1795
40.000	.5569	.6608	.6859	.5983	.4618	.2332	.1717		.1261	.0757
70.000	-.4430	.6859	-.7453	-.4232	-.3342	-.3444	-.3085			
90.000	-.4533	-.4513	-.5439	-.5390	-.4332	-.4259	-.3860			
105.000		-.4631	-.5024	-.4351	-.4722	-.4369				
110.000										
120.000	-.2739	-.2619	-.2554	-.1730	-.3231	-.3501	-.3058			
135.000			-.2527	-.2061	-.3055	-.2535	-.2313			
150.000	-.1341	-.1640	.0166	.2118	-.2323	-.3178	-.3583			
165.000	-.2078		-.1228	.0675	-.2216	-.2996				
180.000	-.2074	-.1450	-.1321	.2488						

ALPHA ( 4 ) = 26.990 BETA ( 3 ) = 5.180

SECTION ( 1 ) ORBITER FUSELAGE DEFLECTION VARIABLE CP

X/LB	.0000	.0080	.0230	.0470	.0730	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
MI															
.000	1.0790	1.4730	1.1190	.8979	.7496	.9000	.5342		.5134	.4641	.4534	.4748	.4697	.2720	
20.000		1.0400	.8279	.7878	.9013		.4473		.4594						
40.000		.7562	.8531	.9489	1.0700		.2722		.1987	.1100	.2091	.3374	.4155	.2211	
55.000		.4062	1.1190	1.3100	1.4750		-.2848		-.3418						
70.000		.2358	1.2780	1.3300	.0567		-.0715		-.0365	-.2250	-.2307	-.4828	-.4955		
90.000	.2780	.1587	1.3260	1.3690	-.0388		-.1037		-.1252	-.2380	-.1927	-.1726	-.3461		
120.000		.0227	1.4330	1.5050	-.1671		-.1342		-.1333	-.2200	-.3089	-.4553	-.2453		
140.000									-.0115						
150.000		-.0516	1.4380	1.4480	-.0932				.3629						
151.000															
156.000									.4442						
162.000															
165.000															
169.000															
174.000															
180.000	1.0790	.0080	-.0968	1.4160	1.4230	-.0936	.3622								
X/LB	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480					
MI															
.000	.3928	-1.1940	.5485	-.5623	.4652	.2308	.2375		.1891	.1752					
40.000	.3175	.5558	.5505	.5636	.4410	.2332	.1373		.1393	.0719					
70.000	-1.7560	.5525	-.4208	-.3790	-.3313	-.3596	-.3132								
90.000	-1.7890	-1.6340	-.4864	-.4745	-.3347	-.3506	-.3576								
105.000			-.5132	-.5175	-.4389	-.4338	-.3606								
110.000															



DATE OF APR 75 TABULATED PRESSURE DATA - 34229

(RB4B17)

ORB. FUSELAGE

ARC 7-716 3422 01

ALPHA ( 4 ) = 26.980 BETA ( 3 ) = 5.180

SECTION ( 1 ) ORBITOR FUSELAGE DEPENDENT VARIABLE CP

X/20 -6533 .7303 .7810 .8230 .8923 .9235 .9630 1.0020 1.0210 1.0400

CHI

120.000 -1.2493 -1.4230 -.2043 -.3863 -.4349 -.4595 -.3832 -.3829  
 135.000 .3723 .0213 -.0354 -.0361 -.4402  
 150.000 -1.2473 -1.1720 -.0298 .4122 -.1599 -.1933 -.2474  
 165.000 -1.1453 -.1855 .2181 .0324 -.1288  
 180.000 -1.1400 -1.0983 -.0502 .1435

ORIGINAL PAGE 15  
 OF POOR QUALITY





ALPHA ( 1 ) = -.200 BETA ( 3 ) = 4.070

ARC97-716 0422 01

ORD. FUSELAGE

(884818)

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/L 0 .0000 .0000 .0200 .0400 .0600 .0800 .1000 .1200 .1400 .1600 .1800 .2000 .2200 .2400 .2600 .2800 .3000 .3200 .3400 .3600 .3800 .4000 .4200 .4400 .4600 .4800 .5000 .5200 .5400 .5600 .5800 .6000 .6200 .6400 .6600 .6800 .7000 .7200 .7400 .7600 .7800 .8000 .8200 .8400 .8600 .8800 .9000 .9200 .9400 .9600 .9800 1.0000

CPL

120.000 .4640 .3295 .2399 .1906 .2658 .1331 -.0495 -.1876 -.1271 -.0649  
 140.000 .0759  
 160.000 .0587 -.1428 -.0880 -.0737 -.0904  
 180.000 .6264  
 200.000 .8611  
 220.000 .9260  
 240.000 -.0359 -.1197 -.0835 -.0545 -.0742  
 260.000 1.1120  
 280.000 .9304  
 300.000 1.1430  
 320.000 1.1430  
 340.000 -.1436 -.1255 -.0617 -.0555 -.0373  
 360.000 1.0210 1.0440  
 380.000 .9630  
 400.000 .9230  
 420.000 .8820  
 440.000 .8230  
 460.000 .7610  
 480.000 .6930  
 500.000 .6330  
 520.000 .5730  
 540.000 .5130  
 560.000 .4530  
 580.000 .3930  
 600.000 .3330  
 620.000 .2730  
 640.000 .2130  
 660.000 .1530  
 680.000 .0930  
 700.000 .0330  
 720.000 -.0270  
 740.000 -.0870  
 760.000 -.1470  
 780.000 -.2070  
 800.000 -.2670  
 820.000 -.3270  
 840.000 -.3870  
 860.000 -.4470  
 880.000 -.5070  
 900.000 -.5670  
 920.000 -.6270  
 940.000 -.6870  
 960.000 -.7470  
 980.000 -.8070  
 1.0000 -.8670

CPL

120.000 .0137 -.0551 .0130 -.0241 -.0560 -.0630 -.0337  
 140.000 .0101 -.0117 .0179 -.0136 -.0516 -.0471 -.1146  
 160.000 -.0243 .0146 -.0747 -.0793 -.0113 -.2330 .3354  
 180.000 -.0231 -.0307 .0064 .0068 .0174 .0331 .0827  
 200.000 -.0354 .0483 .0177 .0114 .0424  
 220.000 -.0322 -.0137 .0370 .0093 .0243 .0344  
 240.000 .0101 .0117 .0179 .0136 .0516 .0471 .1146  
 260.000 .0243 .0146 .0747 .0793 .0113 .2330 .3354  
 280.000 .0231 .0307 .0064 .0068 .0174 .0331 .0827  
 300.000 -.0354 .0483 .0177 .0114 .0424  
 320.000 -.0322 -.0137 .0370 .0093 .0243 .0344  
 340.000 .0101 .0117 .0179 .0136 .0516 .0471 .1146  
 360.000 .0243 .0146 .0747 .0793 .0113 .2330 .3354  
 380.000 .0231 .0307 .0064 .0068 .0174 .0331 .0827  
 400.000 -.0354 .0483 .0177 .0114 .0424  
 420.000 -.0322 -.0137 .0370 .0093 .0243 .0344  
 440.000 .0101 .0117 .0179 .0136 .0516 .0471 .1146  
 460.000 .0243 .0146 .0747 .0793 .0113 .2330 .3354  
 480.000 .0231 .0307 .0064 .0068 .0174 .0331 .0827  
 500.000 -.0354 .0483 .0177 .0114 .0424  
 520.000 -.0322 -.0137 .0370 .0093 .0243 .0344  
 540.000 .0101 .0117 .0179 .0136 .0516 .0471 .1146  
 560.000 .0243 .0146 .0747 .0793 .0113 .2330 .3354  
 580.000 .0231 .0307 .0064 .0068 .0174 .0331 .0827  
 600.000 -.0354 .0483 .0177 .0114 .0424  
 620.000 -.0322 -.0137 .0370 .0093 .0243 .0344  
 640.000 .0101 .0117 .0179 .0136 .0516 .0471 .1146  
 660.000 .0243 .0146 .0747 .0793 .0113 .2330 .3354  
 680.000 .0231 .0307 .0064 .0068 .0174 .0331 .0827  
 700.000 -.0354 .0483 .0177 .0114 .0424  
 720.000 -.0322 -.0137 .0370 .0093 .0243 .0344  
 740.000 .0101 .0117 .0179 .0136 .0516 .0471 .1146  
 760.000 .0243 .0146 .0747 .0793 .0113 .2330 .3354  
 780.000 .0231 .0307 .0064 .0068 .0174 .0331 .0827  
 800.000 -.0354 .0483 .0177 .0114 .0424  
 820.000 -.0322 -.0137 .0370 .0093 .0243 .0344  
 840.000 .0101 .0117 .0179 .0136 .0516 .0471 .1146  
 860.000 .0243 .0146 .0747 .0793 .0113 .2330 .3354  
 880.000 .0231 .0307 .0064 .0068 .0174 .0331 .0827  
 900.000 -.0354 .0483 .0177 .0114 .0424  
 920.000 -.0322 -.0137 .0370 .0093 .0243 .0344  
 940.000 .0101 .0117 .0179 .0136 .0516 .0471 .1146  
 960.000 .0243 .0146 .0747 .0793 .0113 .2330 .3354  
 980.000 .0231 .0307 .0064 .0068 .0174 .0331 .0827  
 1.0000 -.0359

ALPHA ( 2 ) = 10.100 BETA ( 1 ) = -4.380

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/L 0 .0000 .0000 .0200 .0400 .0600 .0800 .1000 .1200 .1400 .1600 .1800 .2000 .2200 .2400 .2600 .2800 .3000 .3200 .3400 .3600 .3800 .4000 .4200 .4400 .4600 .4800 .5000 .5200 .5400 .5600 .5800 .6000 .6200 .6400 .6600 .6800 .7000 .7200 .7400 .7600 .7800 .8000 .8200 .8400 .8600 .8800 .9000 .9200 .9400 .9600 .9800 1.0000

CPL

120.000 1.6220 1.1640 .6063 .3395 .2892 .0300 .1528  
 140.000 .5623 .4493 .3455 .2235 .1641  
 160.000 .7624 .5103 .4035 .2839 .2167  
 180.000 .7448 .5338 .4144 .2635 .2199  
 200.000 .6874 .4663 .3711 .2516 .2037  
 220.000 .6205 .4202 .3113 .2031 .1498  
 240.000 .5513 .3410 .2474 .1439 .1176  
 260.000 .4794 .2417 .1342 .1128  
 280.000 .3994 .2417 .1342 .1128  
 300.000 .3194 .2417 .1342 .1128  
 320.000 .2394 .2417 .1342 .1128  
 340.000 .1594 .2417 .1342 .1128  
 360.000 .0794 .2417 .1342 .1128  
 380.000 -.0006 .2417 .1342 .1128  
 400.000 -.0806 .2417 .1342 .1128  
 420.000 -.1606 .2417 .1342 .1128  
 440.000 -.2406 .2417 .1342 .1128  
 460.000 -.3206 .2417 .1342 .1128  
 480.000 -.4006 .2417 .1342 .1128  
 500.000 -.4806 .2417 .1342 .1128  
 520.000 -.5606 .2417 .1342 .1128  
 540.000 -.6406 .2417 .1342 .1128  
 560.000 -.7206 .2417 .1342 .1128  
 580.000 -.8006 .2417 .1342 .1128  
 600.000 -.8806 .2417 .1342 .1128  
 620.000 -.9606 .2417 .1342 .1128  
 640.000 -1.0406 .2417 .1342 .1128  
 660.000 -1.1206 .2417 .1342 .1128  
 680.000 -1.2006 .2417 .1342 .1128  
 700.000 -1.2806 .2417 .1342 .1128  
 720.000 -1.3606 .2417 .1342 .1128  
 740.000 -1.4406 .2417 .1342 .1128  
 760.000 -1.5206 .2417 .1342 .1128  
 780.000 -1.6006 .2417 .1342 .1128  
 800.000 -1.6806 .2417 .1342 .1128  
 820.000 -1.7606 .2417 .1342 .1128  
 840.000 -1.8406 .2417 .1342 .1128  
 860.000 -1.9206 .2417 .1342 .1128  
 880.000 -2.0006 .2417 .1342 .1128  
 900.000 -2.0806 .2417 .1342 .1128  
 920.000 -2.1606 .2417 .1342 .1128  
 940.000 -2.2406 .2417 .1342 .1128  
 960.000 -2.3206 .2417 .1342 .1128  
 980.000 -2.4006 .2417 .1342 .1128  
 1.0000 -2.4806





(R84818)

JRS, FUSELAGE

ARC37-716 0422 01

ALPHA ( 2 ) = 10.133 BETA ( 3 ) = .113

SECTION 1 ( 1 ) ORIFICE FUSELAGE DEPENDENT VARIABLE CP

V/L	0	.6533	.7333	.7810	.8233	.8623	.9023	.9633	1.0023	1.0210	1.0480
741											
000		.1345	.1046	.1308	.1467	.1502	.1525	.1543		.0397	.0037
40.000		.1443	.0813	.1507	.1239	.1053	.1062	.1241		-.0373	-.0419
80.000		.1374	.1225	.1159	.1176	.1133	.1289	.1525			
120.000		.1033	.1033	.1154	.1110	.1073	.1141	.1169			
160.000			.1123	.1030	.1053	.1013	.1037				
200.000				.1027	.1194	.1073	.1035				
240.000				.1033	.1071	.1078	.1236				
280.000			.1043	.1043	.1045	.1030	.1214				
320.000			.1043	.1043	.1073	.1074	.1214				
360.000			.1047	.1043	.1043	.1043					

ALPHA ( 2 ) = 10.100 BETA ( 3 ) = 4.833

SECTION 1 ( 1 ) ORIFICE FUSELAGE DEPENDENT VARIABLE CP

V/L	0	.6533	.7333	.7810	.8233	.8623	.9023	.9633	1.0023	1.0210	1.0480
741											
000		.1606	.1543	.1618	.1673	.1639	.1633		.1484	.1177	.1046
40.000		.1540	.1540	.1540	.1540	.1540	.1540		.1301	.1046	.0926
80.000		.1540	.1540	.1540	.1540	.1540	.1540		.1141	.0943	.0833
120.000		.1540	.1540	.1540	.1540	.1540	.1540		.1042	.0833	.0745
160.000		.1540	.1540	.1540	.1540	.1540	.1540		.1042	.0833	.0745
200.000		.1540	.1540	.1540	.1540	.1540	.1540		.1042	.0833	.0745
240.000		.1540	.1540	.1540	.1540	.1540	.1540		.1042	.0833	.0745
280.000		.1540	.1540	.1540	.1540	.1540	.1540		.1042	.0833	.0745
320.000		.1540	.1540	.1540	.1540	.1540	.1540		.1042	.0833	.0745
360.000		.1540	.1540	.1540	.1540	.1540	.1540		.1042	.0833	.0745
400.000		.1540	.1540	.1540	.1540	.1540	.1540		.1042	.0833	.0745
440.000		.1540	.1540	.1540	.1540	.1540	.1540		.1042	.0833	.0745
480.000		.1540	.1540	.1540	.1540	.1540	.1540		.1042	.0833	.0745
520.000		.1540	.1540	.1540	.1540	.1540	.1540		.1042	.0833	.0745
560.000		.1540	.1540	.1540	.1540	.1540	.1540		.1042	.0833	.0745
600.000		.1540	.1540	.1540	.1540	.1540	.1540		.1042	.0833	.0745
640.000		.1540	.1540	.1540	.1540	.1540	.1540		.1042	.0833	.0745
680.000		.1540	.1540	.1540	.1540	.1540	.1540		.1042	.0833	.0745
720.000		.1540	.1540	.1540	.1540	.1540	.1540		.1042	.0833	.0745
760.000		.1540	.1540	.1540	.1540	.1540	.1540		.1042	.0833	.0745
800.000		.1540	.1540	.1540	.1540	.1540	.1540		.1042	.0833	.0745
840.000		.1540	.1540	.1540	.1540	.1540	.1540		.1042	.0833	.0745
880.000		.1540	.1540	.1540	.1540	.1540	.1540		.1042	.0833	.0745
920.000		.1540	.1540	.1540	.1540	.1540	.1540		.1042	.0833	.0745
960.000		.1540	.1540	.1540	.1540	.1540	.1540		.1042	.0833	.0745
1000.000		.1540	.1540	.1540	.1540	.1540	.1540		.1042	.0833	.0745





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ALPHA ( 2 ) = 10.080 BETA ( 3 ) = 4.833

ARC97-716 0A22 01

ORB. FUSELAGE

(RB4818)

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .6530 .7300 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

PMI

120.000 -.0796 -.0466 .0171 .0730 -.0780 -.1008 -.0393 -.1292  
 135.000 .3127 .1988 -.0626 -.0327 -.0546  
 150.000 -.0724 -.0323 .0620 .2524 .0651 -.0159 -.0716  
 165.000 -.0643 -.0505 .1600 .0465 -.0310  
 180.000 -.0540 -.0645 -.0380 .1034

ALPHA ( 3 ) = 20.360 BETA ( 1 ) = -6.020

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .0000 .0000 .0000 .0200 .0470 .0730 .1120 .1530 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

PMI

.000 1.4110 1.4460 .9266 .6778 .5492 .0000 .3705 .3475 .3259 .3041 .2934 .2875 .2836  
 20.000 .3982 .7184 .6160 .4534 .3816  
 40.000 .3933 .7714 .6485 .5030 .4069 .3401 .2978 .3183 .3390 .3322 .3631  
 55.000 .8282 .6141 .4902 .3351 .2405 .1893  
 70.000 .6670 .4836 .3855 .2731 .2292 .1790 .0104 .0150 .0268 -.0470  
 90.000 .7344 .5421 .3924 .2933 .2182 .1372 -.0195 -.0009 .0052 .0079  
 120.000 .3458 .2030 .0321 .0376 .0123 .0404 -.0192 -.1179 -.2246 -.2271  
 140.000 .1870 .0731 .0175 -.0091 .1394  
 150.000 .4778 .0658 -.2133 -.2281 -.2244 -.2506  
 151.000 .4491

.5246

-.1123 -.2133 -.2163 -.2043 -.1881

.4536

-.1631 -.2160 -.1834 -.1510 -.1831

X/LB .6530 .7300 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

PMI

.000 .3353 -.1812 .3363 .2932 .2534 .2391 .1795  
 40.000 .3747 .3493 .4064 .3765 .2925 .1946 .1331 .1686 .1584  
 70.000 .1600 .3727 .1850 .2066 .1192 .1121 .0293 .1137 .0892  
 90.000 .0093 .0177 .1745 .1973 .1168 .1344 .1418  
 120.000 .1172 .0332 .0708 .1195 .1369  
 140.000 .1623  
 150.000 .1740 .1669 .0710 .2335 .0811 .1239 .1315 .1645  
 155.000 .0312 .0312 .2106 .2071 .2215  
 160.000 .1396 .2119 .0335 .0801 .1893 .2137 .2145  
 165.000 .2506 .1121 .1748 .2272 .2045  
 180.000 .1814 .1701 .1813 .0335

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ALPHA ( 3 ) = 20.390 BETA ( 2 ) = .150

ARC97-716 0A22 01

ORB. FUSELAGE

(RB4810)

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2030	.2520	.3010	.3790	.4990	.5760
PMI															
.000	1.4160	1.4500	.9253	.6732	.5459	.0000		.3613		.3444	.3227	.3059	.2935	.2981	.2972
20.000			.9309	.6840	.5606	.4301		.3446		.3321					
40.000			.8233	.6341	.5240	.3868		.3085		.2311	.2001	.2428	.2863	.2974	.3373
55.000			.6149	.4252	.3382	.1507		.0728		.0408					
70.000			.4668	.3124	.2332	.1351		.0997		.0625	-.0640	-.0609	-.0519	-.1802	
90.000		.5742	.3788	.2472	.1549	.1034		.0747		.0378	-.0838	-.0683	-.0678	-.0614	
120.000			.2378	.1229	.0398	-.0028		-.0124		.0535	-.0428	-.1330	-.2276	-.2006	
140.000										.0700					
150.000			.1358	.0709	.0179	.0114			.3432	-.0091	-.2111	-.2158	-.1747	-.2276	
151.000															
156.000									.3690						
162.000									.4914						
165.000										-.1249	-.2114	-.1838	-.1342	-.0909	
169.000															
174.000									.5314						
180.000	1.4160	.2942	.0728	.0516	.0351	.0237	.3149	.5235		-.1684	-.2111	-.1516	-.1224	-.0660	

X/LB

PMI

.000	.3446	-.1374	.3422	.2934	.2388	.2315	.1754		.1663	.1539					
40.000	.3493	.2920	.3593	.3371	.2614	.1702	.1176		.1034	.0930					
70.000	-.2117	.3296	-.1935	-.2155	-.2116	-.1753	-.1555								
90.000	-.1379	-.1258	-.2475	-.2400	-.1878	-.2189	-.2135								
105.000		-.2058	-.1822	-.1969	-.2103	-.2123									
110.000								-.2178							
120.000	-.1477	-.1531	-.0582	.1143	.1159	-.1737	-.1687	-.1772							
135.000		.0791	.0209	-.1672	-.1310	-.1178									
150.000	-.1475	-.1160	-.0274	.0852	-.1241	-.1503	-.1821								
165.000	-.1367		-.1388		.1019	.0062	-.0966								
180.000	-.1379	-.1145	-.1366	.0488											

ALPHA ( 3 ) = 20.400 BETA ( 3 ) = 4.910

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2030	.2520	.3010	.3790	.4990	.5760
PMI															
.000	1.4090	1.4440	.9272	.6753	.5496	.0000		.3628		.3422	.3187	.3006	.2948	.2825	.2815
20.000			.8844	.6402	.5280	.4137		.3196		.3075					
40.000			.7040	.5450	.4413	.3029		.2382		.1700	.1238	.1610	.2229	.2633	.2945
55.000			.4828	.3022	.1933	.0431		-.0404		-.0817					
70.000			.3437	.2051	.1399	.0310		.0299		-.0517	-.1105	-.1125	-.1084	-.2319	
90.000		.4620	.2755	.1596	.0906	.0316		.0110		-.0156	-.1103	-.1027	-.1074	-.1190	

ARC37-716 Q422 01

ORB. FUSELAGE (R94B18)

(R94B18)

$$\text{ALPHA} (3) = 20.400 \quad \text{BETA} (3) = 4.910$$

SECTION (1) ORBITER FUSELAGE

X/LB	.0000	.0060	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2520	.3010	.3790	.4990	.5760
PMI															
120.000			.1753	.0776	.0079	-.0099		.0164		.0169	-.0819	-.1529	-.2395	-.1780	
140.000										.0152					
150.000			.0994	.0478	.0165	.0120				-.0606	-.2150	-.2011	-.1345	-.1077	
151.000									.2783						
156.000								.2685							
152.000									.4832						
165.000										-.1423	-.2157	-.1635	-.1345	-.0781	
163.000								.5448							
174.000							.2618								
160.000	1.4090	.2906	.0765	.0475	.0303	.0134		.4783		-.1705	-.2174	-.1797	-.1445	-.1593	
X/LB	.6530	.7300	.7810	.8230	.8620	.9230	.9630	1.0020	1.0210	1.0480					

IMJ

-0.00	.3361	-.1291	.3448	.2991	.2427	.2346	.1746	.1631	.1492
40.000	.3270	.3135	.3332	.3093	.2473	.1694	.1163	.1082	.0985
70.000	-.2468	.3162	-.1969	.2100	-.2025	-.1902	-.1892		
90.000	-.2266	-.1948	-.2719	-.2658	-.1990	-.2277	-.1949		
105.000			-.2323	-.2287	-.2468	-.2534	-.2248		
110.000								-.2023	
120.000	-.1044	-.1217	-.0866	-.0179	-.1919	-.2113	-.1727	-.1919	
135.000			.0285	-.0072	-.1846	-.1297	-.1564		
150.000	-.1039	-.1170	-.0973	.1859	.0349	.0039	-.0828		
165.000	-.1167		-.1320	.3294	.1126	-.0179			
180.000	-.1167	-.1646	-.0295						

ALPHA ( 4 ) = 27.030 BETA ( 1 ) = -5.120

## SECTION (1) ORBITER FUSELAGE

[illegible]

1003

ARC97-716 0422 01

ORB. FUSELAGE

(RB4818)

ALPHA ( 4 ) = 27.030 BETA ( 1 ) = -5.120

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

K/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2320	.3010	.3790	.4980	.5760
PHI															
165.000															
169.000															
174.000															
180.000	1.2300	.1606	-.0114	-.0295	-.0423	-.0413	.2582								
K/LB	.6530	.7300	.7810	.8230	.8620	.9230	.9630	1.0020	1.0210	1.0480					

PHI

.000	.9235	-.2033	.5534	.4894	.4251	.4034	.3331								
40.000	.5569	.5697	.6116	.5644	.4637	.3336	.2582								
70.000	-.2102	.5747	-.1913	-.1968	-.1725	-.1510	-.1164								
90.000	-.1210	-.1700	-.2558	-.2595	-.1793	-.2046	-.1913								
105.000		-.2017	-.1823	-.1945	-.1810	-.1537									
110.000															
120.000	-.1462	-.1719	-.0897	.0827	-.1291	-.1709	-.1623								
135.000		-.0172	-.0620	-.1884	-.1834	-.1745									
150.000	-.1729	-.1806	-.0602	-.0520	-.1434	-.1677	-.1996								
165.000	-.2036		-.0875	-.0694	-.1596	-.2038									
180.000	-.2031	-.1766	-.1467	-.0203											

ALPHA ( 4 ) = 27.070 BETA ( 2 ) = .090

## SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

K/LB	.0000	.0080	.0230	.0470	.0700	.1120	.1590	.1670	.1780	.2050	.2320	.3010	.3790	.4980	.5760
PHI															
.000	1.2390	1.5930	1.1430	.8697	.7369	.0000									
20.000		1.1320	.8615	.7416	.6064										
40.000		.9287	.7622	.6434	.4981										
55.000		.6139	.4197	.2812	.1083										
70.000		.4168	.2684	.1965	.1257										
90.000	.4880	.3023	.1878	.1171	.0810										
120.000		.1420	.0192	-.0620	-.0986										
140.000															
150.000		.0356	-.0525	-.0773	-.0696										
151.000															
.56.000															
162.000															
165.000															
169.000															
174.000															
180.000	1.2390	.1554	-.0200	-.0337	-.0432	-.0286	.2991								
K/LB	.6530	.7300	.7810	.8230	.8620	.9230	.9630	1.0020	1.0210	1.0480					



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(RB4818)

ORB. FUSELAGE

ARC97-716 QAZ2 01

ALPHA ( 4 ) = 27.070 BETA ( 2 ) = .090

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .6330 .7300 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

PMI  
 .000 .5150 -.1786 .5284 .4740 .4098 .3937 .3299  
 40.000 .5237 .5314 .5524 .5160 .4350 .3106 .2450  
 70.000 .2482 .5319 .1985 .2026 .1931 .1937 .1792  
 90.000 .2534 .2130 .2859 .2798 .1991 .2433 .2245  
 105.000 .2832 .2824 .2556 .2541 .2120  
 110.000  
 120.000 .1758 .1835 .1287 .0025 .1940 .2164 .1863  
 135.000 .0276 .0566 .1984 .1915 .1793  
 150.000 .1753 .1516 .1355 .0310 .1399 .1661 .1993  
 165.000 .1753 .1543 .0087 .1034 .1582  
 180.000 .1788 .1644 .1460 .0015

ALPHA ( 4 ) = 27.090 BETA ( 3 ) = 5.110

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

X/LB .0000 .0080 .0230 .0470 .0700 .1120 .1590 .1670 .1780 .2050 .2520 .3010 .3790 .4990 .5760

PMI  
 .000 1.2220 1.5870 1.1360 .8885 .7432 .0000  
 20.000 1.0710 .8246 .6973 .5906  
 40.000 .7894 .6506 .5427 .6077  
 55.000 .4724 .2910 .1611 .0076  
 70.000 .2915 .1633 .1031 .0342  
 90.000 .3743 .2023 .1095 .0503 .0584  
 120.000 .0841 .0048 .0793 .0302  
 140.000 .0125 .0312 .0527 .0437  
 150.000  
 160.000  
 170.000  
 180.000 1.2220 .1514 .0140 .0248 .0376 .0423

X/LB .6330 .7300 .7810 .8230 .8820 .9230 .9630 1.0020 1.0210 1.0480

PMI  
 .000 .5168 .1922 .5334 .4840 .4135 .3936 .3281  
 40.000 .5080 .4893 .5245 .4859 .4110 .3341 .2468  
 70.000 .2600 .4964 .1964 .2000 .1910 .1946 .1890  
 90.000 .2787 .2250 .2771 .2613 .1941 .2412 .2277  
 105.000 .2859 .2586 .2405 .2449 .2238  
 120.000  
 130.000  
 140.000  
 150.000  
 160.000  
 170.000  
 180.000 1.2220 .1514 .0140 .0248 .0376 .0423

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ARC97-716 0422 01

OR8. FUSELAGE

(RB4B18)

ALPHA ( 4 ) = 27.090 BETA ( 3 ) = 5.110

SECTION ( 1 ) ORBITER FUSELAGE DEPENDENT VARIABLE CP

W/L3	.6530	.7300	.7810	.8230	.8820	.9230	.9630	1.0020	1.0210	1.0480
PM1										
120.000	-.1498	-.2023	-.2003	-.2411	-.2419	-.2432	-.1956	-.2080		
135.000			-.0991	-.1188	-.2392	-.2186	-.2277			
150.000	-.1498	-.1740	-.1969	-.0018	-.2017	-.1655	-.1613			
165.000	-.1791		-.1823		.0608	-.0294	-.0752			
180.000	-.1752	-.1927	-.1628	-.0135						



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FUS+RFLARE BASE

(RB4CD5) ( 10 OCT 73 )

# REFERENCE DATA

SREF = 2.4210 30. FT. XMRP = 29.5800 INCHES  
 LREF = 30.7090 INCHES YMRP = .0000 INCHES  
 BREF = 30.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0300 SCALE

MACH ( 1 ) = 2.201 BETA ( 1 ) = -.5390

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2025 -.2130 -.2197 -.1588 -.1647

MACH ( 1 ) = 2.201 BETA ( 2 ) = -.5.000

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2022 -.2120 -.2177 -.1529 -.1679

MACH ( 1 ) = 2.201 BETA ( 3 ) = -.230

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1967 -.2045 -.2072 -.1579 -.2293

MACH ( 1 ) = 2.201 BETA ( 4 ) = 5.040

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2104 -.2185 -.2219 -.1451 -.1783

# PARAMETRIC DATA

ALPHA = 27.000 ELEVON = .000  
 RUDDER = .000 SPOBRK = .000

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FUS+RFLARE BASE

(RB4C10) ( 10 OCT 73 )

## REFERENCE DATA

SREF = 2.4210 36. FT. XREF = 29.5800 INCHES  
 LREF = 36.7090 INCHES YREF = .0000 INCHES  
 BREF = 36.7090 INCHES ZREF = .0000 INCHES  
 SCALE = .0000 SCALE

MACH ( 1 ) = 1.550 BETA ( 1 ) = -9.990

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2729 -.2919 -.2869 -.3353 -.2011

MACH ( 1 ) = 1.550 BETA ( 2 ) = -5.070

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2907 -.3126 -.3461 -.3691 -.2297

MACH ( 1 ) = 1.550 BETA ( 3 ) = .200

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2958 -.3305 -.3375 -.3615 -.2551

MACH ( 1 ) = 1.550 BETA ( 4 ) = 5.010

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2903 -.3131 -.3147 -.3483 -.2753

## PARAMETRIC DATA

ALPHA = 23.000 ELEVON = .000  
 RUDDER = 10.000 SPOBRK = .000





(NB4C10)

FUS+RFLARE BASE

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MAOM ( 1 ) = 1.530 BETA ( 3 ) = 9.980

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE OF

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2702 -.2942 -.3019 -.3497 -.2765

MAOM ( 2 ) = 2.201 BETA ( 1 ) = -10.170

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE OF

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1932 -.2030 -.1931 -.1746 -.1406

MAOM ( 2 ) = 2.201 BETA ( 2 ) = -5.050

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE OF

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2029 -.2114 -.2036 -.1618 -.1519

MAOM ( 2 ) = 2.201 BETA ( 3 ) = .060

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE OF

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1944 -.2022 -.2098 -.1621 -.1279

MAOM ( 2 ) = 2.201 BETA ( 4 ) = 5.070

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE OF

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2098 -.2164 -.2276 -.1699 -.1233

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(RB4C10)

FUS+RFLARE BASE

MACH ( 2 ) = 2.201 BETA ( 5 ) = 10.180

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.0000 -.2089 -.2174 -.2140 -.1632 -.1902



DATE 09 APR 75 TABULATED PRESSURE DATA - 04220

(R84C11) ( 10 OCT 75 )

FUS+RFLARE BASE

ARC97-718 0422 01

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000  
RUDDER = -10.000 SPOBAR = .000

REFERENCE DATA

SREF = 2.4210 30. FT. XMRP = 29.5000 INCHES  
REF = 30.7090 INCHES YMRP = .0000 INCHES  
SREF = 30.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = 1.550 BETA ( 1 ) = -9.990

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE OF

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2783 -.2974 -.2981 -.2766 -.0327

MACH ( 1 ) = 1.550 BETA ( 2 ) = -5.000

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE OF

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2973 -.3275 -.3586 -.1702 -.1653

MACH ( 1 ) = 1.550 BETA ( 3 ) = .180

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE OF

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.3042 -.3362 -.3436 -.0859 -.1337

MACH ( 1 ) = 1.550 BETA ( 4 ) = 5.000

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE OF

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2830 -.3147 -.3239 .0265 -.1264

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OF POOR QUALITY

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FUS+RFLARE BASE

(R84C11)

MACH ( 1 ) = 1.350 BETA ( 3 ) = 9.970  
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP  
TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000  
-200 -2754 -2972 -3020 -1121 -1418  
MACH ( 2 ) = 2.201 BETA ( 1 ) = -10.160  
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP  
TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000  
-200 -2029 -2116 -1969 -1733 -1581  
MACH ( 2 ) = 2.201 BETA ( 2 ) = -5.060  
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP  
TAP NO 1.0000 2.0000 3.0000 -0.0000 5.0000  
-030 -2070 -2174 -2103 -0167 -0084  
MACH ( 2 ) = 2.201 BETA ( 3 ) = .050  
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP  
TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000  
-000 -1994 -2083 -2152 -0194 -1032  
MACH ( 2 ) = 2.201 BETA ( 4 ) = 5.060  
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP  
TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000  
-000 -2153 -2232 -2356 -0926 -1362



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(RB4C11)

FUS+RFLARE BASE

ARC97-716 0422 01

MACH ( 21 = 2.201 BETA ( 5) = 10.170

SECTION ( 1) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP #3 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2113 -.2159 -.2162 .1473 -.0805



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FUS+RFLARE BASE

IRB4C12) ( 08 OCT 75 )

## REFERENCE DATA

XREF = 2.4210 56.FT. XMRP = 29.5000 INCHES  
 LREF = 36.7090 INCHES YMRP = .0000 INCHES  
 BREF = 36.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0300 SCALE

MACH ( 1 ) = 1.550 ALPHA ( 1 ) = -.140

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2603 -.2706 -.3376 -.4393 -.4678

MACH ( 1 ) = 1.550 ALPHA ( 2 ) = 10.090

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2735 -.2975 -.3369 -.4650 -.4916

MACH ( 1 ) = 1.550 ALPHA ( 3 ) = 20.330

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.3074 -.3412 -.3506 -.4473 -.4808

MACH ( 1 ) = 1.550 ALPHA ( 4 ) = 26.970

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.3344 -.3578 -.3744 -.4224 -.4572

## PARAMETRIC DATA

BETA = .000 ELE ON = .000  
 RUDDER = .000 SPDRBK = 55.000



(RB4C12)

FUS+RFLARE BASE

DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

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MACH ( 2 ) = 2.201 ALPHA ( 1 ) = -.140  
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1794 -.1857 -.2274 -.2262 -.2505

MACH ( 2 ) = 2.201 ALPHA ( 2 ) = 10.110  
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1879 -.1941 -.2228 -.2515 -.2623

MACH ( 2 ) = 2.201 ALPHA ( 3 ) = 20.400  
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2049 -.2119 -.2184 -.2532 -.2725

MACH ( 2 ) = 2.201 ALPHA ( 4 ) = 27.070  
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2053 -.2125 -.2180 -.2198 -.2338



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( 08 OCT 73 )

FUS+RFLARE BASE

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## REFERENCE DATA

SREF = 2.4210 36. FT. XMRP = 29.5600 INCHES  
 LREF = 36.7090 INCHES YMRP = .0000 INCHES  
 BREF = 36.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0000 SCALE

MACH ( 1 ) = 1.550 ALPHA ( 1 ) = -.130

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2536 -.2640 -.3235 -.4855 -.5039

MACH ( 1 ) = 1.550 ALPHA ( 2 ) = 10.100

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2658 -.2915 -.3283 -.4883 -.5082

MACH ( 1 ) = 1.550 ALPHA ( 3 ) = 20.350

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.3047 -.3345 -.3597 -.4078 -.4237

MACH ( 1 ) = 1.550 ALPHA ( 4 ) = 27.000

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.3396 -.3619 -.4004 -.4043 -.4273

## PARAMETRIC DATA

BETA = .000 ELEVON = .000  
 RUDDER = .000 SPDRK = 85.000





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(RB4C13)

FUS+RFLARE BASE

ARC97-716 0A22 01

MACH ( 2 ) = 2.201 ALPHA ( 1 ) = -.130  
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000  
.000 -.1774 -.1840 -.2261 -.2547 -.2552

MACH ( 2 ) = 2.201 ALPHA ( 2 ) = 10.110  
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000  
.000 -.1833 -.1893 -.2160 -.2611 -.2654

MACH ( 2 ) = 2.201 ALPHA ( 3 ) = 20.400  
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000  
.000 -.2039 -.2113 -.2191 -.2457 -.2495

MACH ( 2 ) = 2.201 ALPHA ( 4 ) = 27.070  
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000  
.000 -.2016 -.2092 -.2145 -.2229 -.2292

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(RB4C14) ( 10 OCT 73 )

FUS+RFLARE BASE

ARC97-716 0422 01

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000  
RUDDER = .000 SPOBRK = .000

REFERENCE DATA

SREF = 2.4210 56. FT. XMRP = 29.5600 INCHES  
LREF = 30.7090 INCHES YMRP = .0000 INCHES  
BREF = 30.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0300 SCALE

MACM ( 1 ) = 2.201 BETA ( 1 ) = -5.070

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1955 -.2027 -.2313 -.0890 -.0779

MACM ( 1 ) = 2.201 BETA ( 2 ) = .000

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1875 -.1949 -.2221 -.0754 -.0874

MACM ( 1 ) = 2.201 BETA ( 3 ) = 4.980

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1955 -.2067 -.2044 -.0793 -.0385



(RB4C15) ( 26 JAN 74 )  
FUS+RFLARE BASE

PARAMETRIC DATA

MACH = 1.550 ELEVOR = .000  
RUDDER = .000 SPD8RK = .000

REFERENCE DATA

SRFP = 2.4210 50.FT. XMRP = 29.5800 INCHES  
LREF = 30.7390 INCHES YMRP = .0000 INCHES  
BRFP = 30.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0300 SCALE

ALPHA ( 1 ) = -.130 BETA ( 1 ) = -4.940

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2713 -.2803 -.3683 -.2070 -.1903

ALPHA ( 1 ) = -.130 BETA ( 2 ) = .060

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2344 -.2677 -.3344 -.1506 -.1715

ALPHA ( 1 ) = -.170 BETA ( 3 ) = 5.040

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2687 -.2773 -.3159 -.0971 -.1283

ALPHA ( 2 ) = 10.090 BETA ( 1 ) = -5.070

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2716 -.2833 -.3361 -.2679 -.2619

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(RB4C15)

FUS+RFLARE BASE

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ALPHA ( 2 ) = 10.090 BETA ( 2 ) = .020  
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2594 -.2804 -.3111 -.2337 -.2557

ALPHA ( 2 ) = 10.080 BETA ( 3 ) = 5.010  
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2734 -.2814 -.2507 -.1730 -.2010

ALPHA ( 3 ) = 20.320 BETA ( 1 ) = -5.340  
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2890 -.3194 -.3427 -.3113 -.3167

ALPHA ( 3 ) = 20.330 BETA ( 2 ) = -.070  
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2940 -.3256 -.3316 -.2850 -.3156

ALPHA ( 3 ) = 20.340 BETA ( 3 ) = 5.250  
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2807 -.3033 -.3097 -.2327 -.3020



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FUS+RFLARE BASE

(RB4C15)

ALPHA ( 4 ) = 26.950 BETA ( 1 ) = -5.710

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.3426 -.3606 -.3760 -.3433 -.3259

ALPHA ( 4 ) = 26.970 BETA ( 2 ) = -.150

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.3399 -.3565 -.3732 -.3152 -.3982

ALPHA ( 4 ) = 27.000 BETA ( 3 ) = 5.510

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.3426 -.3596 -.3510 -.2719 -.3523

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FUS+RFLARE BASE

(RB4C16) ( 26 JAN 74 )

## REFERENCE DATA

SHIP = 2.4210 34.17. XMRP = 29.5800 INCHES  
 LREF = 38.7090 INCHES YMRP = .0000 INCHES  
 SHIP = 38.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0300 SCALE

ALPHA ( 1 ) = -.120 BETA ( 1 ) = -4.980

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE OF

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1797 -.1834 -.2346 -.0352 -.0379

ALPHA ( 1 ) = -.120 BETA ( 2 ) = -4.300

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE OF

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1812 -.1837 -.2362 -.0266 -.0428

ALPHA ( 1 ) = -.150 BETA ( 3 ) = -.080

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE OF

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1794 -.1865 -.2272 -.0088 -.0470

ALPHA ( 1 ) = -.180 BETA ( 4 ) = 4.510

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE OF

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1842 -.1928 -.2206 .0537 .0144

## PARAMETRIC DATA

MACH = 2.200 ELEVON = .000  
 RUDDER = .000 SPDBRK = .000



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(N84C16)

FUS+RFLARE BASE

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ALPHA ( 1 ) =	-1.80	BETA ( 5 ) =	4.970
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP			
TAP NO	1.0000	2.0000	3.0000 4.0000 5.0000
.000 -1.825 -1.1934 -1.2178 .0651 .0261			
ALPHA ( 2 ) =	10.120	BETA ( 1 ) =	-5.810
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP			
TAP NO	1.0000	2.0000	3.0000 4.0000 5.0000
.000 -1.1940 -1.2009 -1.2277 -1.0999 -1.0891			
ALPHA ( 2 ) =	10.110	BETA ( 2 ) =	-1.760
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP			
TAP NO	1.0000	2.0000	3.0000 4.0000 5.0000
.000 -1.1857 -1.1413 -1.2174 -1.0712 -1.0980			
ALPHA ( 2 ) =	10.100	BETA ( 3 ) =	4.310
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP			
TAP NO	1.0000	2.0000	3.0000 4.0000 5.0000
.000 -1.1922 -1.2018 -1.2199 -1.0039 -1.0477			
ALPHA ( 3 ) =	20.390	BETA ( 1 ) =	-6.170
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP			
TAP NO	1.0000	2.0000	3.0000 4.0000 5.0000
.000 -1.2046 -1.2125 -1.2004 -1.1468 -1.1384			

(RB4C16)

FUS+RFLARE BASE

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ALPHA ( 3 ) = 20.400 BETA ( 2 ) = -.870  
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE OF

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1920 -.1989 -.2104 -.1110 -.1645

ALPHA ( 3 ) = 20.410 BETA ( 3 ) = 4.440

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE OF

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2032 -.2100 -.2191 -.0836 -.1524

ALPHA ( 4 ) = 27.060 BETA ( 1 ) = -6.510

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE OF

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2082 -.2220 -.2260 -.1805 -.1607

ALPHA ( 4 ) = 27.070 BETA ( 2 ) = -.920

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE OF

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1986 -.2090 -.2080 -.1559 -.2240

ALPHA ( 4 ) = 27.100 BETA ( 3 ) = 4.700

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE OF

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2125 -.2206 -.2260 -.1493 -.1818





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FUS+FLARE BASE

(RBAC17) ( 26 JAN 74 )

## REFERENCE DATA

SRCY = 2.4210 56.FT. XMRP = 29.5000 INCHES  
 LRCY = 36.7090 INCHES YMRP = .0000 INCHES  
 DRCT = 36.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0000 SCALE

ALPHA ( 1 ) = -.150 BETA ( 1 ) = -5.030

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2761 -.3101 -.3721 -.2041 -.1965

ALPHA ( 1 ) = -.160 BETA ( 2 ) = -.060

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2599 -.2835 -.3336 -.1527 -.1759

ALPHA ( 1 ) = -.130 BETA ( 3 ) = 4.930

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2773 -.2962 -.3355 -.0995 -.1265

ALPHA ( 2 ) = 10.070 BETA ( 1 ) = -5.160

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2909 -.3132 -.3631 -.2666 -.2593

## PARAMETRIC DATA

MACH = 1.550 ELEVON = -20.000  
 RUDDER = .000 SPOBRK = .000

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FUS+RFLARE BASE

(MB4C17)

ALPHA ( 2 ) = 10.070 BETA ( 2 ) = -.120  
 SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP  
 TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000  
 .000 -.2790 -.2943 -.3323 -.2752 -.2548  
 ALPHA ( 2 ) = 10.080 BETA ( 3 ) = 4.920  
 SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP  
 TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000  
 .000 -.2954 -.3141 -.3217 -.1748 -.2021  
 ALPHA ( 3 ) = 20.300 BETA ( 1 ) = -.5360  
 SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP  
 TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000  
 .000 -.3290 -.3397 -.3776 -.3136 -.3210  
 ALPHA ( 3 ) = 20.310 BETA ( 2 ) = -.070  
 SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP  
 TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000  
 .000 -.3290 -.3497 -.3594 -.2870 -.3213  
 ALPHA ( 3 ) = 20.330 BETA ( 3 ) = 5.360  
 SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP  
 TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000  
 .000 -.3306 -.3379 -.3647 -.2415 -.3142



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FUS+FLARE BASE

(RB4C17)

ALPHA ( 4 ) = 26.930 BETA ( 1 ) = -5.100

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.3744 -.3914 -.4078 -.3410 -.3300

ALPHA ( 4 ) = 26.960 BETA ( 2 ) = -.060

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.3459 -.3732 -.3945 -.3233 -.4082

ALPHA ( 4 ) = 26.980 BETA ( 3 ) = 5.180

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.3728 -.3665 -.3906 -.2750 -.3628

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FUS+REFLARE BASE

(RB4C10) ( 26 JAN 74 )

## REFERENCE DATA

SREF = 2.4210 50. FT. XMRP = 29.3000 INCHES  
 LREF = 36.7090 INCHES YMRP = .0000 INCHES  
 BREF = 36.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0300 SCALE

ALPHA ( 1 ) = -.140 BETA ( 1 ) = -5.090

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1740 -.1051 -.1983 -.0421 -.0321

ALPHA ( 1 ) = -.170 BETA ( 2 ) = .080

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1738 -.1058 -.2015 -.0035 -.0433

ALPHA ( 1 ) = -.200 BETA ( 3 ) = 4.870

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1799 -.1907 -.2000 .0599 .0220

ALPHA ( 2 ) = 10.100 BETA ( 1 ) = -4.980

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.1907 -.2039 -.2177 -.0683 -.0680

## PARAMETRIC DATA

MACH = 2.200 ELEVON = -20.000  
 RUDDER = .000 SPDBRK = .000



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(RB4C18)

FUS+FLARE BASE

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ALPHA ( 2 ) =	10.100	BETA ( 2 ) =	.110
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP			
TAP NO	1.0000	2.0000	3.0000 4.0000 5.0000
.000 -.1808 -.1904 -.2075 -.0590 -.0904			
ALPHA ( 2 ) =	10.080	BETA ( 3 ) =	4.830
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP			
TAP NO	1.0000	2.0000	3.0000 4.0000 5.0000
.000 -.1955 -.2049 -.2208 .0015 -.0459			
ALPHA ( 3 ) =	20.380	BETA ( 1 ) =	-6.020
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP			
TAP NO	1.0000	2.0000	3.0000 4.0000 5.0000
.000 -.2024 -.2140 -.2127 -.1472 -.1376			
ALPHA ( 3 ) =	20.390	BETA ( 2 ) =	.150
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP			
TAP NO	1.0000	2.0000	3.0000 4.0000 5.0000
.000 -.1967 -.2041 -.2077 -.1109 -.1719			
ALPHA ( 3 ) =	20.400	BETA ( 3 ) =	4.910
SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP			
TAP NO	1.0000	2.0000	3.0000 4.0000 5.0000
.000 -.2057 -.2123 -.2236 -.0837 -.1610			

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(RB4C18)

FUS+FLARE BASE

ALPHA ( 4 ) = 27.030 BETA ( 1 ) = -5.120

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2061 -.2150 -.2197 -.1578 -.1659

ALPHA ( 4 ) = 27.070 BETA ( 2 ) = .090

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2054 -.2160 -.2180 -.1639 -.2335

ALPHA ( 4 ) = 27.090 BETA ( 3 ) = 5.110

SECTION ( 1 ) FUS. + RFLARE BASE DEPENDENT VARIABLE CP

TAP NO 1.0000 2.0000 3.0000 4.0000 5.0000

.000 -.2153 -.2217 -.2234 -.1489 -.1828



REFERENCE DATA

34EF = 2.4210 36.FT.

34RF = 36.7090 INCHES

34BF = 36.7090 INCHES

SCALE = .0300 SCALE

XMRP = 29.5800 INCHES

YMRP = .0000 INCHES

ZMRP = .0000 INCHES

PARAMETRIC DATA

ALPHA = 27.000

ELEVON = .000

RUDDER = .000

SPOBRK = .000

MACH ( 1 ) = 2.201

BETA ( 1 ) = -5.390

SECTION ( 1 )ONS NOZZLE

DEPENDENT VARIABLE CP

X/LNM	.2000	.4000
PMI		
135.000	-.1856	
180.000	-.0954	-.1657
225.000	-.1691	

MACH ( 1 ) = 2.201

BETA ( 2 ) = -5.000

SECTION ( 1 )ONS NOZZLE

DEPENDENT VARIABLE CP

X/LNM	.2000	.4000
PMI		
135.000	-.1842	
180.000	-.0950	-.1608
225.000	-.1684	

MACH ( 1 ) = 2.201

BETA ( 3 ) = -.230

SECTION ( 1 )ONS NOZZLE

DEPENDENT VARIABLE CP

X/LNM	.2000	.4000
PMI		
135.000	-.1934	
180.000	-.1136	-.1805
225.000	-.1686	

MACH ( 1 ) = 2.201

BETA ( 4 ) = 5.040

SECTION ( 1 )ONS NOZZLE

DEPENDENT VARIABLE CP

X/LNM	.2000	.4000
PMI		
135.000	-.1171	
180.000	-.0861	-.1338
225.000	-.1163	

REFERENCE DATA

REF = 2.4210 94.FT. XMRP = 29.5800 INCHES  
 LREF = 36.7090 INCHES YMRP = .0000 INCHES  
 BREF = 36.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000  
 RUDDER = 10.000 SPOBRK = .000

MACH ( 1 ) = 1.550 BETA ( 1 ) = -9.990

SECTION ( 1 ) 0MS NOZZLE      DEPENDENT VARIABLE CP

X/LNM      .2000      .4000

PMI

135.000      -.2270  
 180.000      -.2583      -.2603  
 225.000      -.2823

MACH ( 1 ) = 1.550 BETA ( 2 ) = -5.070

SECTION ( 1 ) 0MS NOZZLE      DEPENDENT VARIABLE CP

X/LNM      .2000      .4000

PMI

135.000      -.2242  
 180.000      -.0377      -.0315  
 225.000      -.1539

MACH ( 1 ) = 1.550 BETA ( 3 ) = .200

SECTION ( 1 ) 0MS NOZZLE      DEPENDENT VARIABLE CP

X/LNM      .2000      .4000

PMI

135.000      -.3070  
 180.000      -.0535      -.2304  
 225.000      -.2502

MACH ( 1 ) = 1.550 BETA ( 4 ) = 5.010

SECTION ( 1 ) 0MS NOZZLE      DEPENDENT VARIABLE CP

X/LNM      .2000      .4000

PMI

135.000      -.2721  
 180.000      .1270      -.2102  
 225.000      -.3189





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ONS NOZZLE

(RB4E10)

MACH ( 1 ) = 1.350 BETA ( 5 ) = 9.980

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 --.2521

180.000 .1485 --.0923

225.000 --.1694

MACH ( 2 ) = 2.201 BETA ( 1 ) = -10.170

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 --.1927

180.000 --.1911 --.1944

225.000 --.1959

MACH ( 2 ) = 2.201 BETA ( 2 ) = -5.050

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 --.1806

180.000 --.1950 --.2029

225.000 --.2005

MACH ( 2 ) = 2.201 BETA ( 3 ) = .060

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 --.1934

180.000 .0006 --.1296

225.000 --.0676

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ONS NOZZLE

(R54E10)

MACH ( 2 ) = 2.201 BETA ( 4 ) = 5.070

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNH .2000 .4000

PHI

135.000 .0045

180.000 .0813

225.000 -.1303

MACH ( 2 ) = 2.201 BETA ( 5 ) = 10.180

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNH .2000 .4000

PHI

135.000 -.0840

180.000 .0466

225.000 .0298



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ONS NOZZLE

(RB4E11) ( 10 OCT 75 )

## REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
 CREF = 36.7090 INCHES YMRP = .0000 INCHES  
 DREF = 36.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0300 SCALE

MACH ( 1 ) = 1.550 BETA ( 1 ) = -9.990

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.2349  
 180.000 -.2767 -.2625  
 225.000 -.2833

MACH ( 1 ) = 1.550 BETA ( 2 ) = -5.080

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.2360  
 180.000 -.0411 -.0553  
 225.000 -.1644

MACH ( 1 ) = 1.550 BETA ( 3 ) = .180

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.3079  
 180.000 -.0736 -.2421  
 225.000 -.2543

MACH ( 1 ) = 1.550 BETA ( 4 ) = 5.000

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.2641  
 180.000 .1322 -.1931  
 225.000 -.3142

## PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000  
 RUDDER = -10.000 SPOBRK = .000

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ONS NOZZLE

(RB4E11)

MACH ( 1 ) = 1.350 BETA ( 3 ) = 9.970

SECTION ( 1 ) ONS NOZZLE DEFENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.2326

180.000 -.1568

225.000 -.1678

MACH ( 2 ) = 2.201 BETA ( 1 ) = -10.180

SECTION ( 1 ) ONS NOZZLE DEFENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.1974

180.000 -.1957

225.000 -.2006

MACH ( 2 ) = 2.201 BETA ( 2 ) = -5.060

SECTION ( 1 ) ONS NOZZLE DEFENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.1771

180.000 -.1965

225.000 -.2033

MACH ( 2 ) = 2.201 BETA ( 3 ) = .050

SECTION ( 1 ) ONS NOZZLE DEFENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.1932

180.000 -.0059

225.000 -.0674



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(084E11)

ONS NOZZLE

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MACH ( 2 ) = 2.201 BETA ( 4 ) = 5.060

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 .0055

180.000 .0080 .1598

225.000 -.1346

MACH ( 2 ) = 2.201 BETA ( 5 ) = 10.170

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.0945

180.000 .0611 .1635

225.000 -.0337

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ONS NOZZLE

(RB4E12) ( 09 OCT 75 )

## REFERENCE DATA

SREF = 2.4210 56. FT. XMRP = 29.5600 INCHES  
 LREF = 56.7090 INCHES YMRP = .0000 INCHES  
 SREF = 56.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0300 SCALE

## PARAMETRIC DATA

BETA = .000 ELEVON = .000  
 RUDDER = .000 SPOBRK = 55.000

MACH ( 1 ) = 1.550 ALPHA ( 1 ) = -.140

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.1178  
 180.000 -.3647  
 225.000 .3484  
 225.000 .3331

MACH ( 1 ) = 1.550 ALPHA ( 2 ) = 10.090

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.1837  
 180.000 -.1712  
 225.000 .0445  
 225.000 -.1127

MACH ( 1 ) = 1.550 ALPHA ( 3 ) = 20.330

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.3118  
 180.000 -.0608  
 225.000 -.2396  
 225.000 -.2475

MACH ( 1 ) = 1.550 ALPHA ( 4 ) = 26.970

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.3376  
 180.000 -.0336  
 225.000 -.2433  
 225.000 -.2172



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(RB4E12)

ONS NOZZLE

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MACH ( 2 ) = 2.201 ALPHA ( 1 ) = -.140

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LMM .2000 .4000

PMI

135.000 -.0197

180.000 .2856 .3515

225.000 .3227

MACH ( 2 ) = 2.201 ALPHA ( 2 ) = 10.110

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LMM .2000 .4000

PMI

135.000 -.0095

180.000 .1432 .2456

225.000 .1179

MACH ( 2 ) = 2.201 ALPHA ( 3 ) = 20.400

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LMM .2000 .4000

PMI

135.000 -.1960

180.000 .0890 -.0226

225.000 -.0636

MACH ( 2 ) = 2.201 ALPHA ( 4 ) = 27.070

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LMM .2000 .4000

PMI

135.000 -.1875

180.000 -.1068 -.1751

225.000 -.1632

ONS NOZZLE

REFERENCE DATA

WGT = 2.4210 LB.FT.    WHP = 29.5600 INCHES  
 LWT = 36.7090 INCHES    WHP = .0000 INCHES  
 BWT = 36.7090 INCHES    WHP = .0000 INCHES  
 SCALE = .0000 SCALE

MACH ( 1 ) = 1.590    ALPHA ( 1 ) = -.130

SECTION ( 1 ) ONS NOZZLE    DEPENDENT VARIABLE CP

X/LNM    .2000    .4000

PM1  
 135.000    -.1119  
 160.000    .3694    .3499  
 225.000    .3324

MACH ( 1 ) = 1.590    ALPHA ( 2 ) = 10.100

SECTION ( 1 ) ONS NOZZLE    DEPENDENT VARIABLE CP

X/LNM    .4000    .4000

PM1  
 135.000    -.1767  
 160.000    .1737    .0393  
 225.000    -.1069

MACH ( 1 ) = 1.590    ALPHA ( 3 ) = 20.350

SECTION ( 1 ) ONS NOZZLE    DEPENDENT VARIABLE CP

X/LNM    .2000    .4000

PM1  
 135.000    -.3024  
 160.000    -.0456    -.2306  
 225.000    -.2452

MACH ( 1 ) = 1.590    ALPHA ( 4 ) = 27.000

SECTION ( 1 ) ONS NOZZLE    DEPENDENT VARIABLE CP

X/LNM    .2000    .4000

PM1  
 135.000    -.2609  
 160.000    .3966    -.2096  
 225.000    -.1639

PARAMETRIC DATA

BETA = .000    ELEVON = .000  
 RUDDER = .000    SPDRK = 89.000





(RB4E13)

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ONS NOZZLE

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MACH ( 2 ) = 2.201 ALPHA ( 1 ) = -.130  
SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.0220  
180.000 .2835 .3489  
225.000 .3239

MACH ( 2 ) = 2.201 ALPHA ( 2 ) = 10.110

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.0060  
180.000 .1429 .2440  
225.000 .1196

MACH ( 2 ) = 2.201 ALPHA ( 3 ) = 20.400

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.1927  
180.000 .0972 -.0046  
225.000 -.0375

MACH ( 2 ) = 2.201 ALPHA ( 4 ) = 27.070

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.1930  
180.000 -.1395 -.1766  
225.000 -.1661

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REFERENCE DATA

SREF = 2.4210 36.FT.

XMRP = 29.5800 INCHES

LREF = 36.7090 INCHES

YMRP = .0000 INCHES

BREF = 36.7090 INCHES

ZMRP = .0000 INCHES

SCALE = .0000 SCALE

MACH ( 1 ) = 2.201

BETA ( 1 ) = -5.070

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM	.2000	.4000
PHI		
135.000	.0979	
180.000	.1320	.2174
225.000	.0113	

MACH ( 1 ) = 2.201

BETA ( 2 ) = .000

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM	.2000	.4000
PHI		
135.000	-.0246	
180.000	.1464	.2546
225.000	.1252	

MACH ( 1 ) = 2.201

BETA ( 3 ) = 4.980

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM	.2000	.4000
PHI		
135.000	-.0347	
180.000	.2175	.3620
225.000	.1555	

PARAMETRIC DATA

ALPHA = 10.000

ELEVON = .000

RUDDER = .000

SPDBRK = .000



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OMS NOZZLE

(RB4E15) ( 26 JAN 74 )

# REFERENCE DATA

SREF = 2.4210 34. FT. XWRP = 29.5800 INCHES  
 LREF = 38.7030 INCHES YWRP = .0000 INCHES  
 BREF = 38.7030 INCHES ZWRP = .0000 INCHES  
 SCALE = .0330 SCALE

ALPHA ( 1 ) = -.130 BETA ( 1 ) = -4.940

## SECTION ( 1 ) OMS NOZZLE

DEPENDENT VARIABLE CP

X/LNM .2000 .4000

FMI

135.000 -.0912  
 180.000 -.4079  
 225.000 -.6378

ALPHA ( 1 ) = -.150 BETA ( 2 ) = .080

## SECTION ( 1 ) OMS NOZZLE

DEPENDENT VARIABLE CP

X/LNM .2000 .4000

FMI

135.000 -.1058  
 180.000 -.3658  
 225.000 -.3499

ALPHA ( 1 ) = -.170 BETA ( 3 ) = 5.040

## SECTION ( 1 ) OMS NOZZLE

DEPENDENT VARIABLE CP

X/LNM .2000 .4000

FMI

135.000 -.1990  
 180.000 -.2845  
 225.000 -.0523

ALPHA ( 2 ) = 10.090 BETA ( 1 ) = -5.070

## SECTION ( 1 ) OMS NOZZLE

DEPENDENT VARIABLE CP

X/LNM .2000 .4000

FMI

135.000 -.0960  
 180.000 -.1241  
 225.000 -.2417

# PARAMETRIC DATA

MACH = 1.550 ELEVXN = .000  
 RUDDER = -.000 SPOBRK = .000

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(RB4E15)

ONS NOZZLE

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ALPHA ( 2 ) = 10.090 BETA ( 2 ) = .020

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.1773

180.000 -.1784 .0303

225.000 -.1153

ALPHA ( 2 ) = 10.080 BETA ( 3 ) = 5.010

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.2654

180.000 .2976 -.0801

225.000 -.1460

ALPHA ( 3 ) = 20.320 BETA ( 1 ) = -5.340

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.2426

180.000 .0142 -.0717

225.000 -.1676

ALPHA ( 3 ) = 20.330 BETA ( 2 ) = -.070

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.3013

180.000 -.0405 -.2131

225.000 -.2427



(RB4E15)

ONS NOZZLE

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ALPHA ( 3 ) = 20.340 BETA ( 3 ) = 5.250

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PHI  
135.000 -.2656  
180.000 .1430 -.1769  
225.000 -.3002

ALPHA ( 4 ) = 25.950 BETA ( 1 ) = -5.710

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PHI  
135.000 -.3232  
180.000 -.1590 -.2333  
225.000 -.3042

ALPHA ( 4 ) = 26.970 BETA ( 2 ) = -.150

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PHI  
135.000 -.3185  
180.000 -.0409 -.2138  
225.000 -.2467

ALPHA ( 4 ) = 27.000 BETA ( 3 ) = 5.510

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PHI  
135.000 -.2502  
180.000 -.1233 -.3035  
225.000 -.3624

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ARC97-716 0A22 01

045 NOZZLE

(RB4E16) ( 26 JAN 74 )

## REFERENCE DATA

SREF = 2.4210 36.FT. XMRP = 29.5000 INCHES  
 LREF = 36.7090 INCHES YMRP = .0000 INCHES  
 BREF = 36.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0300 SCALE

ALPHA ( 1 ) = -.120 BETA ( 1 ) = -4.980

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 .0196  
 160.000 .4369 .4702  
 225.000 .2398

ALPHA ( 1 ) = -.120 BETA ( 2 ) = -4.300

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 .0090  
 160.000 .4346 .4744  
 225.000 .2362

ALPHA ( 1 ) = -.150 BETA ( 3 ) = -.080

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.0167  
 160.000 .2825 .3595  
 225.000 .3127

ALPHA ( 1 ) = -.180 BETA ( 4 ) = 4.510

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.0125  
 160.000 .2286 .3915  
 225.000 .2036

## PARAMETRIC DATA

MAON = 2.200 ELEVON = .000  
 RUDDER = .000 SPDBRK = .000



(RB4E16)

ONS NOZZLE

DATE 09 APR 75 TABULATED PRESSURE DATA - OA22B

ARC97-716 OA22 D1

ALPHA ( 1 ) = -.103 BETA ( 3 ) = 4.970  
SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

PMI

135.000 -.0156  
180.000 .2186 .3676  
225.000 .1851

ALPHA ( 2 ) = 10.120 BETA ( 1 ) = -5.810  
SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

PMI

135.000 .1025  
180.000 .1098 .2900  
225.000 .0289

ALPHA ( 2 ) = 10.110 BETA ( 2 ) = -.760  
SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

PMI

135.000 -.0121  
180.000 .1319 .2357  
225.000 .1175

ALPHA ( 2 ) = 10.100 BETA ( 3 ) = 4.310  
SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

PMI

135.000 .0120  
180.000 .2307 .3980  
225.000 .1556

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A228

(R84E16)

ONS NOZZLE

ARC97-716 0A22 01

ALPHA ( 3 ) = 20.390 BETA ( 1 ) = -6.170

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.1963

160.000 -.2002

225.000 -.2024

ALPHA ( 3 ) = 20.400 BETA ( 2 ) = -.870

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.1886

160.000 -.1028

225.000 -.0691

ALPHA ( 3 ) = 20.410 BETA ( 3 ) = 4.440

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.0379

160.000 .0829

225.000 -.0830

ALPHA ( 4 ) = 27.060 BETA ( 1 ) = -6.510

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.1984

160.000 -.0946

225.000 -.1661





DATE 09 APR 79 TABULATED PRESSURE DATA - 01228

(884E16)

ONS NOZZLE

ARC97-716 0A22 01

ALPHA ( 4 ) = 27.070 BETA ( 2 ) = -.920

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

PMI

135.000 -.1961

180.000 -.1157 -.1737

225.000 -.1664

ALPHA ( 4 ) = 27.100 BETA ( 3 ) = 4.700

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LIN .2000 .4000

PMI

135.000 -.1291

180.000 -.1042 -.1761

225.000 -.2389

ARC97-716 0422 01

045 NOZZLE

(RB4E17) ( 26 JAN 74 )

## REFERENCE DATA

REF = 2.4210 50. FT. XMRP = 29.5000 INCHES  
 UREF = 30.7090 INCHES YMRP = .0000 INCHES  
 DREF = 30.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0300 SCALE

ALPHA ( 1 ) = -.150 BETA ( 1 ) = -5.030

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.1522  
 180.000 .4216 .5884  
 225.000 .8339

ALPHA ( 1 ) = -.160 BETA ( 2 ) = -.060

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.1195  
 180.000 .3924 .4329  
 225.000 .6721

ALPHA ( 1 ) = -.190 BETA ( 3 ) = 4.930

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.2167  
 180.000 .2889 .1340  
 225.000 .1445

ALPHA ( 2 ) = 10.070 BETA ( 1 ) = -5.160

SECTION ( 1 ) 045 NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.0997  
 180.000 .1477 .2222  
 225.000 .3805

## PARAMETRIC DATA

MACH = 1.550 ELEVON = -20.000  
 RUDDER = .000 SPDRK = .000



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A228

ONE NOZZLE (RB4E17)

ARC97-716 0A22 01

ALPHA ( 2 ) = 10.070 BETA ( 2 ) = -.120  
SECTION ( 1 ) ONE NOZZLE DEPENDENT VARIABLE CP

X/LUM .2000 .4000

PMI  
135.000 -.1508  
180.000 .1694 .0455  
225.000 -.0285

ALPHA ( 2 ) = 10.060 BETA ( 3 ) = 4.920  
SECTION ( 1 ) ONE NOZZLE DEPENDENT VARIABLE CP

X/LUM .2000 .4000

PMI  
135.000 -.2736  
180.000 .2329 -.0278  
225.000 -.0678

ALPHA ( 3 ) = 20.300 BETA ( 1 ) = -5.340  
SECTION ( 1 ) ONE NOZZLE DEPENDENT VARIABLE CP

X/LUM .2000 .4000

PMI  
135.000 -.2446  
180.000 .0370 -.0440  
225.000 -.1488

ALPHA ( 3 ) = 20.310 BETA ( 2 ) = -.070  
SECTION ( 1 ) ONE NOZZLE DEPENDENT VARIABLE CP

X/LUM .2000 .4000

PMI  
135.000 -.3171  
180.000 .0093 -.1777  
225.000 -.2071

(RB4E17)

ONS NOZZLE

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A228

ARC97-716 0A22 01

ALPHA ( 3 ) = 20.330 BETA ( 3 ) = 5.360

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.2868  
180.000 -.1962 -.0915  
225.000 -.2650

ALPHA ( 4 ) = 26.930 BETA ( 1 ) = -5.100

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.3285  
180.000 -.1209 -.2168  
225.000 -.2426

ALPHA ( 4 ) = 26.960 BETA ( 2 ) = -.060

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.3471  
180.000 -.0081 -.2003  
225.000 -.2587

ALPHA ( 4 ) = 26.980 BETA ( 3 ) = 5.180

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.2322  
180.000 -.0924 -.2792  
225.000 -.4094



DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(RB4E18) ( 26 JAN 74 )

ONS NOZZLE

PARAMETRIC DATA

MACH = 2.200 ELEVON = -20.000  
RUDDER = .000 SPOBR = .000

REFERENCE DATA

SRF = 2.4210 SQ.FT. XMRP = 29.5000 INCHES  
LRET = 30.7090 INCHES YMRP = .0000 INCHES  
BRET = 30.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

ALPHA ( 1 ) = -.140 BETA ( 1 ) = -5.030

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LMR .2000 .4000

PMI

135.000 .0330  
180.000 .4466  
225.000 .2563

ALPHA ( 1 ) = -.170 BETA ( 2 ) = .080

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LMR .2000 .4000

PMI

135.000 .0066  
180.000 .3032  
225.000 .3172

ALPHA ( 1 ) = -.200 BETA ( 3 ) = 4.670

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LMR .2000 .4000

PMI

135.000 -.0308  
180.000 .2487  
225.000 .1674

ALPHA ( 2 ) = 10.100 BETA ( 1 ) = -4.980

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LMR .2000 .4000

PMI

135.000 .0821  
180.000 .1399  
225.000 .0276

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(R84E18)

ONS NOZZLE

DATE 08 APR 75 TABULATED PRESSURE DATA - 04228

ARC97-716 0422 01

ALPHA ( 2 ) = 10.100 BETA ( 2 ) = .110  
SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/L/IN .2000 .4000

PMI  
135.000 -.0133  
180.000 .1478 .2319  
225.000 .1260

ALPHA ( 2 ) = 10.080 BETA ( 3 ) = 4.830  
SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/L/IN .2000 .4000

PMI  
135.000 .0028  
180.000 .2275 .3939  
225.000 .1607

ALPHA ( 3 ) = 20.380 BETA ( 1 ) = -6.020  
SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/L/IN .2000 .4000

PMI  
135.000 -.1902  
180.000 -.2040 -.2062  
225.000 -.2052

ALPHA ( 3 ) = 20.380 BETA ( 2 ) = .150  
SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/L/IN .2000 .4000

PMI  
135.000 -.1903  
180.000 -.0061 -.1362  
225.000 -.0660



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A228

(084E18)

ONS NOZZLE

ARC97-716 0A22 01

ALPHA ( 3 ) = 20.400 BETA ( 3 ) = 4.910  
SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.0162  
180.000 -.0905  
225.000 -.1226

ALPHA ( 4 ) = 27.090 BETA ( 1 ) = -5.120

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.1867  
180.000 -.1099  
225.000 -.1760

ALPHA ( 4 ) = 27.070 BETA ( 2 ) = .090

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.2012  
180.000 -.1116  
225.000 -.1838

ALPHA ( 4 ) = 27.090 BETA ( 3 ) = 5.110

SECTION ( 1 ) ONS NOZZLE DEPENDENT VARIABLE CP

X/LNM .2000 .4000

PMI

135.000 -.1044  
180.000 -.0905  
225.000 -.2141

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22B

(RB4FD5) ( 10 OCT 73 )

BODY FLAP

ARC97-716 0A22 01

PARAMETRIC DATA

ALPHA = 27.000 ELEVON = .000  
RUDDER = .000 STDBRK = .000

REFERENCE DATA

SAEP = 2.4210 58. FT. XMRP = 29.5800 INCHES  
LREF = 36.7090 INCHES YMRP = .0000 INCHES  
BRAEF = 36.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = 2.201 BETA ( 1 ) = -5.390

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.00.00173.0000174.0000

.000 .3465 .2796 .3538 .2320 .0000 -.1997

MACH ( 1 ) = 2.201 BETA ( 2 ) = -5.000

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.00.00173.0000174.0000

.000 .3472 .2785 .3553 .2304 .0000 -.1966

MACH ( 1 ) = 2.201 BETA ( 3 ) = -.230

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .3416 .2773 .3474 .2421 .0000 -.1881

MACH ( 1 ) = 2.201 BETA ( 4 ) = 5.040

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .3375 .2893 .3472 .2583 .0000 -.1997





DATE 09 APR 73 TABULATED PRESSURE DATA - 0A228

(RB4F10) ( 10 OCT 73 )

BODY FLAP

ARC97-716 0A22 01

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000  
RUDDER = 10.000 SPOBRK = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
LREF = 30.7090 INCHES YMRP = .0000 INCHES  
BREF = 30.7390 INCHES ZMRP = .0000 INCHES  
SCALE = .0300 SCALE

MACH ( 1 ) = 1.550 BETA ( 1 ) = -9.990

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .1604 .0743 .1565 .0258 .0000 -.2699

MACH ( 1 ) = 1.550 BETA ( 2 ) = -5.070

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .1057 .0919 .1781 .0338 .0000 -.3022

MACH ( 1 ) = 1.550 BETA ( 3 ) = .200

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .2001 .1142 .1928 .0525 .0000 -.3258

MACH ( 1 ) = 1.550 BETA ( 4 ) = 5.010

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .1025 .1167 .1637 .0510 .0000 -.3118

ARC97-716 OM22 01

BODY FLAP

(RB4F10)

MACH ( 1 ) = 1.550 BETA ( 5 ) = 9.980

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .1753 .1432 .1707 .0817 .0000 -.2931

MACH ( 2 ) = 2.201 BETA ( 1 ) = -10.170

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .1875 .1509 .1888 .1169 .0000 -.1925

MACH ( 2 ) = 2.201 BETA ( 2 ) = -5.050

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .1855 .1405 .1881 .0979 .0000 -.1998

MACH ( 2 ) = 2.201 BETA ( 3 ) = .060

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .1849 .1370 .1844 .1079 .0000 -.1910

MACH ( 2 ) = 2.201 BETA ( 4 ) = 5.070

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .1815 .1427 .1790 .1215 .0000 -.2037



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22B

(RBAF1D)

BODY FLAP

ARC97-716 0A22 01

MACH ( 2 ) = 4.201 BETA ( 5 ) = 10.180

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO. 169.0000173.0000171.0000172.0000173.0000174.0000

.000 .1780 .1383 .1799 .1287 .0000 -.1992

DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(RB4F11) ( 10 OCT 73 )

BODY FLAP

ARC97-716 0422 01

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000  
RUDDER = -10.000 SPDGRK = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
LREF = 36.7090 INCHES YMRP = .0000 INCHES  
BREF = 36.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0300 SCALE

MACH ( 1 ) = 1.550 BETA ( 1 ) = -9.990

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .1374 .0732 .1538 .0236 .0000 -.2674

MACH ( 1 ) = 1.550 BETA ( 2 ) = -5.080

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .1833 .0892 .1738 .0297 .0000 -.3056

MACH ( 1 ) = 1.550 BETA ( 3 ) = .180

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .1959 .1097 .1862 .0484 .0000 -.3237

MACH ( 1 ) = 1.550 BETA ( 4 ) = 5.000

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .1799 .1146 .1690 .0502 .0000 -.3052



DATE 09 APR 75

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(R84F11)

BODY FLAP

MACH ( 1 ) = 1.550 BETA ( 5 ) = 9.970

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .1657 .1375 .1568 .0780 .0000 -.2916

MACH ( 2 ) = 2.201 BETA ( 1 ) = -10.180

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .1910 .1532 .1920 .1200 .0000 -.1859

MACH ( 2 ) = 2.201 BETA ( 2 ) = -5.060

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .1879 .1429 .1916 .0992 .0000 -.1911

MACH ( 2 ) = 2.201 BETA ( 3 ) = .050

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .1866 .1389 .171 .1097 .0000 -.1835

MACH ( 2 ) = 2.201 BETA ( 4 ) = 5.060

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .1607 .1420 .1800 .1201 .0000 -.1964

DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

ARC97-716 0422 01

(RB4F11)

BODY FLAP

MACH ( 2 ) = 2.201 BETA ( 5 ) = 10.170

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000173.0000171.0000172.0000173.0001174.00000

.000 .1790 .1391 .1015 .1287 .0000 -.1928



REFERENCE DATA

SREF = 2.4210 SQ.FT.    XMRP = 29.5800 INCHES  
 LREF = 38.7090 INCHES    YMRP = .0000 INCHES  
 BREF = 38.7090 INCHES    ZMRP = .0000 INCHES  
 SCALE = .0000 SCALE

PARAMETRIC DATA

BETA = .000    ELEVON = .000  
 RUDDER = .000    SPDBRK = 55.000

MACH ( 1 ) = 1.550    ALPHA ( 1 ) = -.140

SECTION ( 1 ) BODY FLAP    DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000    -.1407    -.1208    -.1399    -.1362    .0000    -.2621

MACH ( 1 ) = 1.550    ALPHA ( 2 ) = 10.090

SECTION ( 1 ) BODY FLAP    DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000    .0062    -.0401    .0046    -.0576    .0000    -.3029

MACH ( 1 ) = 1.550    ALPHA ( 3 ) = 20.330

SECTION ( 1 ) BODY FLAP    DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000    .2025    .1126    .1937    .0523    .0000    -.3251

MACH ( 1 ) = 1.550    ALPHA ( 4 ) = 26.970

SECTION ( 1 ) BODY FLAP    DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000    .3084    .2047    .2936    .1266    .0000    -.3754

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DATE 09 APR 75 TABULATED PRESSURE DATA - 0A228

(RB4F12)

BOOY FLAP

MACH ( 2 ) = 2.201 ALPHA ( 1 ) = -.140

SECTION ( 1 ) BOOY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0903 -.0757 -.0896 -.0873 .0000 -.1599

MACH ( 2 ) = 2.201 ALPHA ( 2 ) = 19.110

SECTION ( 1 ) BOOY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .0155 -.0192 .0168 -.0363 .0000 -.1679

MACH ( 2 ) = 2.201 ALPHA ( 3 ) = 20.400

SECTION ( 1 ) BOOY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .1829 .1372 .1836 .1065 .0000 -.1864

MACH ( 2 ) = 2.201 ALPHA ( 4 ) = 27.070

SECTION ( 1 ) BOOY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .3399 .2774 .3441 .2355 .0000 -.1812





DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22B

(RB4F13) (08 OCT 73)

BODY FLAP

ARC97-716 0A22 01

PARAMETRIC DATA

BETA = .000 ELEVON = .000  
RUDDER = .000 SPDBRK = 85.000

REFERENCE DATA

WREF = 2.4210 50. FT. WARP = 29.5000 INCHES  
LREF = 36.7090 INCHES YARP = .0000 INCHES  
BREF = 36.7090 INCHES ZARP = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = 1.550 ALPHA ( 1 ) = -.130

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.1350 -.1246 -.1475 -.1393 .0000 -.2607

MACH ( 1 ) = 1.550 ALPHA ( 2 ) = 10.100

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .0099 -.0386 .0365 -.0374 .0000 -.3005

MACH ( 1 ) = 1.550 ALPHA ( 3 ) = 20.350

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .1936 .1069 .1936 .0468 .0000 -.3293

MACH ( 1 ) = 1.550 ALPHA ( 4 ) = 27.000

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .3589 .2065 .2946 .1268 .0000 -.3706

(R84F13)

BODY FLAP

DATE 08 APR 75 TABULATED PRESSURE DATA - 0A228

ARC97-716 0A22 01

MACH ( 2 ) = 2.201 ALPHA ( 1 ) = -.130  
SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP  
TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0666 -.0749 -.0689 -.0656 .0000 -.1590

MACH ( 2 ) = 2.201 ALPHA ( 2 ) = 10.110  
SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP  
TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .0168 -.0175 .0193 -.0361 .0000 -.1647

MACH ( 2 ) = 2.201 ALPHA ( 3 ) = 20.400  
SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP  
TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .1665 .1396 .1667 .1071 .0000 -.1842

MACH ( 2 ) = 2.201 ALPHA ( 4 ) = 27.070  
SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP  
TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .3393 .2763 .3453 .2341 .0000 -.1791



DATE 08 APR 75 TABULATED PRESSURE DATA - 04228

(RB4F14) ( 10 OCT 75 )

BOOM FLAP

ARC37-716 0422 01

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000  
RUDDER = .000 SPOBRK = .000

REFERENCE DATA

SWT = 2.4210 50. FT. XMRP = 29.5000 INCHES  
JREF = 30.7090 INCHES YMRP = .0000 INCHES  
SWT = 30.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

MACM ( 1 ) = 2.201 BETA ( 1 ) = -.5.070

SECTION ( 1 ) BOOM FLAP DEPENDENT VARIABLE OF

YAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .0141 -.0099 .0194 -.0236 .0000 -.1796

MACM ( 1 ) = 2.201 BETA ( 2 ) = .000

SECTION ( 1 ) BOOM FLAP DEPENDENT VARIABLE OF

YAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .0107 -.0155 .0210 -.0327 .0000 -.1671

MACM ( 1 ) = 2.201 BETA ( 3 ) = 4.980

SECTION ( 1 ) BOOM FLAP DEPENDENT VARIABLE OF

YAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .0150 -.0372 .0173 -.0193 .0000 -.1789

DATE 29 APR 75

TABULATED PRESSURE DATA - 04228

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ARC97-716 0422 01

BODY FLAP

(RB4F15) ( 26 JAN 74 )

## REFERENCE DATA

SHOT = 2.4210 50. FT. XMRP = 29.5800 INCHES  
 LIFT = 30.7090 INCHES YMRP = .0000 INCHES  
 SHOT = 30.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0000 SCALE

ALPHA ( 1 ) = -.130 BETA ( 1 ) = -4.940

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE OF

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.1363 -.1236 -.1469 -.1266 .0000 -.2774

ALPHA ( 1 ) = -.130 BETA ( 2 ) = .080

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE OF

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.1332 -.1207 -.1459 -.1333 .0000 -.2628

ALPHA ( 1 ) = -.170 BETA ( 3 ) = 5.040

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE OF

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.1302 -.1306 -.1479 -.1509 .0000 -.2761

ALPHA ( 2 ) = 10.080 BETA ( 1 ) = -5.070

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE OF

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0010 -.0133 -.0006 -.0440 .0000 -.2854

## PARAMETRIC DATA

MACH = 1.550 ELEVON = .000  
 RUDDER = .000 SPOBRK = .000



DATE 09 APR 75 AGULATED PRESSURE DATA - C4223

(R04F13)

BODY FLAP

ARC97-716 1422 01

ALPHA ( 2 ) = 10.090 BETA ( 2 ) = .020  
SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .0100 -.0373 .0047 -.0533 .0000 -.2950

ALPHA ( 2 ) = 10.090 BETA ( 3 ) = 5.010

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .0034 -.0456 .0011 -.0744 .0000 -.2800

ALPHA ( 3 ) = 20.320 BETA ( 1 ) = -5.340

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .1665 .0699 .1775 .0302 .0000 -.3096

ALPHA ( 3 ) = 20.330 BETA ( 2 ) = -.070

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .2040 .1165 .1614 .0470 .0000 -.3193

ALPHA ( 3 ) = 20.340 BETA ( 3 ) = 5.250

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .1696 .1174 .1722 .0545 .0000 -.3029

DATE 09 APR 75

TABULATED PRESSURE DATA - OA228

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ARC97-716 OA22 01

BODY FLAP

(RB4F15)

ALPHA ( 4 ) = 26.950 BETA ( 1 ) = -5.710

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .3087 .1858 .2950 .1078 .0000 -.3622

ALPHA ( 4 ) = 26.970 BETA ( 2 ) = -.150

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .3139 .2572 .3016 .1507 .0000 -.3770

ALPHA ( 4 ) = 27.000 BETA ( 3 ) = 5.510

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .3026 .2217 .2876 .1488 .0000 -.3511



(RB4F16) ( 26 JAN 74 )

BOOM FLAP

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422B

ARC97-716 0422 01

PARAMETRIC DATA

MACH = 2.200 ELEVON = .000  
RUDDER = .000 SPDRK = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
LREF = 38.7090 INCHES YMRP = .0000 INCHES  
BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

ALPHA ( 1 ) = -.120 BETA ( 1 ) = -4.980

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0865 -.0781 -.0846 -.0795 .0000 -.1769

ALPHA ( 1 ) = -.120 BETA ( 2 ) = -4.300

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0905 -.0777 -.0867 -.0799 .0000 -.1759

ALPHA ( 1 ) = -.150 BETA ( 3 ) = -.080

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0920 -.0796 -.0923 -.0896 .0000 -.1788

ALPHA ( 1 ) = -.180 BETA ( 4 ) = 4.510

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0926 -.0736 -.0899 -.0817 .0000 -.1829

ORIGINAL PAGE IS  
OF POOR QUALITY

DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(RB4F16)

BODY FLAP

ARC97-716 0422 01

ALPHA ( 1 ) = -.180 BETA ( 5 ) = 4.973

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0867 -.0688 -.0858 -.0758 .0000 -.1795

ALPHA ( 2 ) = 10.120 BETA ( 1 ) = -5.810

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .0147 -.0122 .0171 -.0244 .0000 -.2000

ALPHA ( 2 ) = 10.110 BETA ( 2 ) = -.760

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .0209 -.0128 .0231 -.0319 .0000 -.1757

ALPHA ( 2 ) = 10.100 BETA ( 3 ) = 4.310

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .0132 -.0103 .0161 -.0242 .0000 -.1910

ALPHA ( 3 ) = 20.390 BETA ( 1 ) = -6.170

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .1870 .1474 .1880 .1021 .0000 -.1987





DATE 09 APR 75 TABULATED PRESSURE DATA - 0422B

(RB4F16)

BODY FLAP

ARC97-716 0422 01

ALPHA ( 3 ) = 23.400 BETA ( 2 ) = -.870  
SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .1871 .1416 .1878 .1099 .0000 -.1876

ALPHA ( 3 ) = 20.410 BETA ( 3 ) = 4.440

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .1857 .1475 .1862 .1226 .0000 -.1973

ALPHA ( 4 ) = 27.060 BETA ( 1 ) = -6.510

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .3518 .2746 .3496 .2264 .0000 -.2048

ALPHA ( 4 ) = 27.070 BETA ( 2 ) = -.920

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .3399 .2797 .3461 .2360 .0000 -.1885

ALPHA ( 4 ) = 27.100 BETA ( 3 ) = 4.700

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .3303 .2796 .3449 .2517 .0000 -.2055

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422B

(RB4F17) ( 26 JAN 74 )

BODY FLAP

ARC97-716 0422 01

PARAMETRIC DATA

MACH = 1.550 ELEVON = -20.000  
RUDDER = .000 SPOBRK = .000

REFERENCE DATA

SREF = 2.4210 36.FT. XMRP = 29.5800 INCHES  
LREF = 36.7090 INCHES YMRP = .0000 INCHES  
BREF = 36.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

ALPHA ( 1 ) = -.150 BETA ( 1 ) = -5.030

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.1823 -.2160 -.1932 -.2302 .0000 -.3039

ALPHA ( 1 ) = -.160 BETA ( 2 ) = -.060

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.1811 -.2123 -.1926 -.2199 .0000 -.2725

ALPHA ( 1 ) = -.190 BETA ( 3 ) = 4.930

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.1749 -.2217 -.1884 -.2227 .0000 -.2902

ALPHA ( 2 ) = 10.070 BETA ( 1 ) = -5.160

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0496 -.1044 -.0674 -.1367 .0000 -.3072



(RB4F17)

BODY FLAP

DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

ARC97-716 0422 01

ALPHA ( 2 ) = 10.070 BETA ( 2 ) = -.120  
SECTION ( 11800) FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0430 -.0938 -.0601 -.1310 .0000 -.3089

ALPHA ( 2 ) = 10.060 BETA ( 3 ) = 4.920

SECTION ( 11800) FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0443 -.1013 -.0614 -.1254 .0000 -.3029

ALPHA ( 3 ) = 20.300 BETA ( 1 ) = -5.360

SECTION ( 11800) FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .1053 .0469 .0811 -.0078 .0000 -.3375

ALPHA ( 3 ) = 20.310 BETA ( 2 ) = -.070

SECTION ( 11800) FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .1127 .0473 .0935 .0083 .0000 -.3438

ALPHA ( 3 ) = 20.330 BETA ( 3 ) = 5.560

SECTION ( 11800) FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .1502 .0356 .0790 -.0397 .0000 -.3381

DATE 09 APR 75

TABULATED PRESSURE DATA - 0A228

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BODY FLAP

(RB4F17)

ALPHA ( 4 ) = 26.930 BETA ( 1 ) = -5.100

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000173.0000171.0000172.0000173.0000174.0000

.000 .1925 .1360 .1770 .0728 .0000 -.3807

ALPHA ( 4 ) = 26.960 BETA ( 2 ) = -.060

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000173.0000171.0000172.0000173.0000174.0000

.000 .1950 .1261 .1795 .0757 .0000 -.3754

ALPHA ( 4 ) = 26.980 BETA ( 3 ) = 5.180

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000173.0000171.0000172.0000173.0000174.0000

.000 .1891 .1093 .1722 .0739 .0000 -.3756



DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(RB4F18) ( 26 JAN 74 )

BODY FLAP

ARC97-716 0422 01

PARAMETRIC DATA

MACH = 2.200 ELEVON = -20.000  
RUDDER = .000 SPOBRK = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XREF = 23.5000 INCHES  
UREF = 38.7090 INCHES XREF = .0000 INCHES  
BREF = 38.7090 INCHES ZREF = .0000 INCHES  
SCALE = .0000 SCALE

ALPHA ( 1 ) = -.140 BETA ( 1 ) = -5.090

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE OF

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0939 -.1265 -.0366 -.1333 .0000 -.1824

ALPHA ( 1 ) = -.170 BETA ( 2 ) = .080

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE OF

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0913 -.1253 -.0974 -.1297 .0000 -.1839

ALPHA ( 1 ) = -.200 BETA ( 3 ) = 4.870

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE OF

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 -.0935 -.1233 -.0994 -.1250 .0000 -.1773

ALPHA ( 2 ) = 10.100 BETA ( 1 ) = -4.980

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE OF

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .0035 -.0341 .0028 -.0487 .0000 -.2111

ORIGINAL PAGE 155  
DE POOR QUALITY

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BODY FLAP

(RB4F18)

ALPHA ( 2 ) = 10.100 BETA ( 2 ) = .110

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .0097 -.0373 .0037 -.0419 .0000 -.1866

ALPHA ( 2 ) = 10.040 BETA ( 3 ) = -.830

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .0047 -.0315 .0020 -.0344 .0000 -.1948

ALPHA ( 3 ) = 20.380 BETA ( 1 ) = -6.020

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .1646 .1137 .1584 .0892 .0000 -.1926

ALPHA ( 3 ) = 20.390 BETA ( 2 ) = .150

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .1663 .1034 .1539 .0930 .0000 -.1903

ALPHA ( 3 ) = 20.400 BETA ( 3 ) = 4.910

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .1631 .1062 .1492 .0985 .0000 -.1977



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A228

(RB4718)

BODY FLAP

ARC97-716 0A22 01

ALPHA ( 4 ) = 27.030 BETA ( 1 ) = -5.120

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .3085 .2346 .3004 .2102 .0000 -.1984

ALPHA ( 4 ) = 27.070 BETA ( 2 ) = .090

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .3046 .2281 .2897 .2164 .0000 -.2022

ALPHA ( 4 ) = 27.090 BETA ( 3 ) = 5.110

SECTION ( 1 ) BODY FLAP DEPENDENT VARIABLE CP

TAP NO 169.0000170.0000171.0000172.0000173.0000174.0000

.000 .2981 .2305 .2942 .2227 .0000 -.2039

DATE 09 APR 75

TABULATED PRESSURE DATA - 04228

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045 P00

(RB4M03) ( 10 OCT 75 )

REFERENCE DATA

SREF = 2.4210 36.17. XMRP = 29.5800 INCHES  
 \_REF = 38.7090 INCHES XMRP = .0000 INCHES  
 DREF = 38.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0000 SCALE

MACH ( 1 ) = 2.201 BETA ( 1 ) = -5.393

SECTION ( 1 ) 045 P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2060 -.2063 -.1924 -.1931

MACH ( 1 ) = 2.201 BETA ( 2 ) = -5.000

SECTION ( 1 ) 045 P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2043 -.2031 -.1956 -.1941

MACH ( 1 ) = 2.201 BETA ( 3 ) = -.230

SECTION ( 1 ) 045 P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1982 -.1995 -.2096 -.1939

MACH ( 1 ) = 2.201 BETA ( 4 ) = 5.040

SECTION ( 1 ) 045 P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2073 -.2117 -.2085 -.2156

PARAMETRIC DATA

ALPHA = 27.000 ELEVON = .000  
 RUDDER = .000 SPOBRK = .000





DATE 08 APR 73 TABULATED PRESSURE DATA - 04228

(RB4MID) ( 10 OCT 73 )

045 P00

ARC97-716 0422 01

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000  
RUDDER = 10.000 SPOBRK = .000

REFERENCE DATA

SREF = 2.4210 34. FT. XMRP = 29.5800 INCHES  
LREF = 34.7093 INCHES YMRP = .0000 INCHES  
BREF = 34.7093 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = 1.550 BETA ( 1 ) = -9.990

SECTION ( 1 ) 045 P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2735 -.2745 -.2630 -.2821

MACH ( 1 ) = 1.550 BETA ( 2 ) = -5.070

SECTION ( 1 ) 045 P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.3002 -.3008 -.3056 -.2860

MACH ( 1 ) = 1.550 BETA ( 3 ) = .200

SECTION ( 1 ) 045 P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.3149 -.3206 -.3394 -.3077

MACH ( 1 ) = 1.550 BETA ( 4 ) = 5.010

SECTION ( 1 ) 045 P00 DEPENDENT VARIABLE CP

TAP NO 165.0000165.0000167.0000168.0000

.000 -.3015 -.3018 -.4108 -.3569



ARC97-716 0422 01

OAS P00

(RB4M10)

MACH ( 1 ) = 1.550 BETA ( 5 ) = 9.980  
SECTION ( 1 ) OAS P00 DEPENDENT VARIABLE CP  
TAP NO 165.0000166.0000167.0000168.00000  
    .000 -1.2809 -1.2872 -1.3034 -1.3171  
MACH ( 2 ) = 2.201 BETA ( 1 ) = -10.170  
SECTION ( 1 ) OAS P00 DEPENDENT VARIABLE CP  
TAP NO 165.0000166.0000167.0000168.00000  
    .000 -1.1993 -1.2026 -1.2072 -1.2149  
MACH ( 2 ) = 2.201 BETA ( 2 ) = -5.050  
SECTION ( 1 ) OAS P00 DEPENDENT VARIABLE CP  
TAP NO 165.0000166.0000167.0000168.00000  
    .000 -1.2060 -1.2077 -1.1731 -1.1735  
MACH ( 2 ) = 2.201 BETA ( 3 ) = .060  
SECTION ( 1 ) OAS P00 DEPENDENT VARIABLE CP  
TAP NO 165.0000166.0000167.0000168.00000  
    .000 -1.1970 -1.2013 -1.2155 -1.1777  
MACH ( 2 ) = 2.201 BETA ( 4 ) = 5.070  
SECTION ( 1 ) OAS P00 DEPENDENT VARIABLE CP  
TAP NO 165.0000166.0000167.0000168.00000  
    .000 -1.2073 -1.2129 -1.2189 -1.2020



DATE 09 APR 75

TABULATED PRESSURE DATA - D422B

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045 P00

(RB4M10)

MAC ( 2) = 2.231 BETA ( 3) = 13.180

SECTION ( 1) 045 P00

DEPENDENT VARIABLE CP

YAT \*0 105.0000166.0000167.0000168.0000

.000 -.2301 -.2137 -.2150 -.2322



DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(RB4M11) ( 10 OCT 73 )

ONS P00

ARC97-716 0422 01

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000  
RUDDER = -10.000 SPOBRK = .000

REFERENCE DATA

SREF = 1.4210 30 FT. XMRP = 29.5000 INCHES  
LREF = 30.7090 INCHES YMRP = .0000 INCHES  
BALT = 30.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0300 SCALE

MACH ( 1 ) = 1.550 BETA ( 1 ) = -9.990

SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2754 -.2767 -.2644 -.2847

MACH ( 1 ) = 1.550 BETA ( 2 ) = -5.080

SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.3079 -.3089 -.3118 -.2925

MACH ( 1 ) = 1.550 BETA ( 3 ) = .180

SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.3173 -.3247 -.3447 -.3118

MACH ( 1 ) = 1.550 BETA ( 4 ) = 5.000

SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.3004 -.3010 -.4134 -.3542



DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(R84M11)

ONS P00

ARC97-716 0422 01

MACH ( 1 ) = 1.950 BETA ( 5 ) = 9.970  
SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2818 -.2856 -.3039 -.3682

MACH ( 2 ) = 2.201 BETA ( 1 ) = -19.180

SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2035 -.2058 -.1301 -.1372

MACH ( 2 ) = 2.201 BETA ( 2 ) = -5.060

SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2084 -.2099 -.1740 -.1747

MACH ( 2 ) = 2.201 BETA ( 3 ) = .050

SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1969 -.2008 -.2183 -.1774

MACH ( 2 ) = 2.201 BETA ( 4 ) = 5.060

SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2076 -.2134 -.2195 -.2037

TABULATED PRESSURE DATA - 04228

(RB4M11)

ONS POO

ARC97-716 0422 01

MACH ( 2 ) = 2.201 BETA ( 3 ) = 10.173

SECTION ( 1 ) ONS POO DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2096 -.2142 -.2183 -.2362



DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(RB4H12) ( 08 OCT 75 )

ONS POO

ARC97-716 0422 01

PARAMETRIC DATA

BETA = .000 ELEVON = .000  
RUDDER = .000 SPOBRK = \$5.000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
LREF = 34.7090 INCHES YMRP = .0000 INCHES  
BREF = 34.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0300 SCALE

MACH ( 1 ) = 1.550 ALPHA ( 1 ) = -.140

SECTION ( 1 ) ONS POO DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2614 -.2621 -.1042 -.0944

MACH ( 1 ) = 1.550 ALPHA ( 2 ) = 10.090

SECTION ( 1 ) ONS POO DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2848 -.2932 -.2333 -.2177

MACH ( 1 ) = 1.550 ALPHA ( 3 ) = 20.330

SECTION ( 1 ) ONS POO DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.3193 -.3261 -.3423 -.3105

MACH ( 1 ) = 1.550 ALPHA ( 4 ) = 26.970

SECTION ( 1 ) ONS POO DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.3550 -.3677 -.3674 -.2923

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OF POOR QUALITY



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A228

(RB4M12)

ONS POD

ARC97-716 0A22 01

MACH ( 2 ) = 2.201 ALPHA ( 1 ) = -.140  
SECTION ( 1 ) ONS POD DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1748 -.1797 -.0692 -.0316

MACH ( 2 ) = 2.201 ALPHA ( 2 ) = 10.110  
SECTION ( 1 ) ONS POD DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1613 -.1647 -.1525 -.1134

MACH ( 2 ) = 2.201 ALPHA ( 3 ) = 20.400  
SECTION ( 1 ) ONS POD DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2032 -.2076 -.2150 -.1617

MACH ( 2 ) = 2.201 ALPHA ( 4 ) = 27.070  
SECTION ( 1 ) ONS POD DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2044 -.2056 -.2142 -.1365





TABULATED PRESSURE DATA - Q4228

DATE 03 APR 75

(RB4M13) ( 08 OCT 75 )

ONS P00

ARC97-716 Q422 01

REFERENCE DATA

SREF = 2.4210 50.FT. XMRP = 29.5800 INCHES  
 URET = 38.7090 INCHES YMRP = .0000 INCHES  
 BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0000 SCALE

MACH ( 1 ) = 1.550 ALPHA ( 1 ) = -.130

SECTION ( 1 ) ONS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2587 -.2601 -.1027 -.0952

MACH ( 1 ) = 1.550 ALPHA ( 2 ) = 10.100

SECTION ( 1 ) ONS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2817 -.2891 -.2292 -.2133

MACH ( 1 ) = 1.550 ALPHA ( 3 ) = 20.350

SECTION ( 1 ) ONS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.3276 -.3237 -.3470 -.3152

MACH ( 1 ) = 1.550 ALPHA ( 4 ) = 27.000

SECTION ( 1 ) ONS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.3341 -.3377 -.3739 -.3133

PARAMETRIC DATA

BETA = .000 ELEVON = .000  
 RUDDER = .000 SPOBRK = 85.000

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 POOR QUALITY

TABULATED PRESSURE DATA - 04228

(RB4M13)

045 00

ARC97-716 0422 01

MACH ( 2 ) = 2.201 ALPHA ( 1 ) = -.130

SECTION ( 1 ) 045 P30 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1732 -.1760 -.0694 -.0312

MACH ( 2 ) = 2.201 ALPHA ( 2 ) = 10.110

SECTION ( 1 ) 045 P30 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1761 -.1616 -.1495 -.1113

MACH ( 2 ) = 2.201 ALPHA ( 3 ) = 20.400

SECTION ( 1 ) 045 P30 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2012 -.2047 -.2112 -.1775

MACH ( 2 ) = 2.201 ALPHA ( 4 ) = 27.070

SECTION ( 1 ) 045 P30 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2013 -.2025 -.2132 -.1973



DATE 09 APR 73 TABULATED PRESSURE DATA - 04228

(RB4M14) ( 10 OCT 73 )

ONS P00

ARC97-716 0422 01

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000  
RUDDER = .000 SPOBRK = .000

REFERENCE DATA

SREF = 2.4210 38.FT. KMRP = 29.5800 INCHES  
LREF = 38.7090 INCHES YMRP = .0000 INCHES  
BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = 2.201 JETA ( 1 ) = -5.070

SECTION ( 1 ) ONS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1897 -.1938 -.1294 -.1261

MACH ( 1 ) = 2.201 BETA ( 2 ) = .000

SECTION ( 1 ) ONS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1842 -.1883 -.1535 -.1142

MACH ( 1 ) = 2.201 BETA ( 3 ) = 4.980

SECTION ( 1 ) ONS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1973 -.2021 -.1517 -.1335

DATE 09 APR 75

TABULATED PRESSURE DATA - 04228

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ARC97-716 0422 01

OAS P00

(RB4M15) ( 26 JAN 74 )

## REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
 LREF = 38.7090 INCHES YMRP = .0000 INCHES  
 BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0300 SCALE

ALPHA ( 1 ) = -.130 BETA ( 1 ) = -.4300

SECTION ( 1 ) OAS P00 DEPENDENT VARIABLE OF

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2727 -.2757 -.0614 -.0107

ALPHA ( 1 ) = -.130 BETA ( 2 ) = .080

SECTION ( 1 ) OAS P00 DEPENDENT VARIABLE OF

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2348 -.2575 -.0935 -.0783

ALPHA ( 1 ) = -.170 BETA ( 3 ) = 5.040

SECTION ( 1 ) OAS P00 DEPENDENT VARIABLE OF

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2738 -.2754 -.1429 -.1648

ALPHA ( 2 ) = 10.030 BETA ( 1 ) = -5.070

SECTION ( 1 ) OAS P00 DEPENDENT VARIABLE OF

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2761 -.2760 -.2270 -.1657

## PARAMETRIC DATA

MACH = 1.550 ELEVON = .000  
 RUDDER = .000 SPOBRK = .000



DATE 09 APR 75 TABULATED PRESSURE DATA - 0422B

(RB4M15)

045 000

ARC97-716 0422 01

ALPHA ( 2 ) = 10.390 BETA ( 2 ) = .020  
SECTION ( 1 ) 045 000 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2737 -.2623 -.2283 -.2367

ALPHA ( 2 ) = 10.080 BETA ( 3 ) = 5.010  
SECTION ( 1 ) 045 000 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2760 -.2763 -.2647 -.2777

ALPHA ( 3 ) = 20.320 BETA ( 1 ) = -5.340  
SECTION ( 1 ) 045 000 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.3032 -.3336 -.3332 -.2902

ALPHA ( 3 ) = 20.330 BETA ( 2 ) = -.070  
SECTION ( 1 ) 045 000 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.3039 -.3109 -.3346 -.3063

ALPHA ( 3 ) = 20.340 BETA ( 3 ) = 5.250  
SECTION ( 1 ) 045 000 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2922 -.2936 -.3399 -.3334

DATE 08 APR 75 TABULATED PRESSURE DATA - 0A228

(RB4413)

OMS P00

ARC97-716 0A22 01

ALPHA ( 4 ) = 26.950 BETA ( 1 ) = -5.710

SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.3342 -.3645 -.3418 -.3328

ALPHA ( 4 ) = 26.970 BETA ( 2 ) = -.150

SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.3504 -.3634 -.2433 -.2440

ALPHA ( 4 ) = 27.000 BETA ( 3 ) = 5.510

SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.3451 -.3474 -.3428 -.3454



DATE 09 APR 75

TABULATED PRESSURE DATA - 04228

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ARC97-716 0422 01

045 P00

(R84M16) ( 26 JAN 74 )

# REFERENCE DATA

SREF = 2.4210 SQ.FT. XREF = 23.5900 INCHES  
 YREF = 34.7393 INCHES YREF = .0000 INCHES  
 ZREF = 34.7393 INCHES ZREF = .0000 INCHES  
 SCALE = .0300 SCALE

ALPHA ( 1 ) = -.123 BETA ( 1 ) = -4.980

SECTION ( 1 ) 045 P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1783 -.1844 -.0387 -.0227

ALPHA ( 1 ) = -.123 BETA ( 2 ) = -4.300

SECTION ( 1 ) 045 P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1783 -.1836 -.0443 -.0248

ALPHA ( 1 ) = -.150 BETA ( 3 ) = -.080

SECTION ( 1 ) 045 P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1783 -.1829 -.0728 -.0372

ALPHA ( 1 ) = -.100 BETA ( 4 ) = 4.510

SECTION ( 1 ) 045 P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1846 -.1890 -.0778 -.0576

# PARAMETRIC DATA

WACH = 2.200 ELEVON = .000  
 RUDDER = .000 SPOBRK = .000

(RB4M16)

DATE 09 APR 73 TABULATED PRESSURE DATA - 04228

048 P00

ARC97-716 0422 01

ALPHA ( 1 ) = -.100 BETA ( 1 ) = 4.970  
SECTION ( 1 ) ON P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166 0000167.0000168.0000

.000 -.1014 -.1050 -.0761 -.0583

ALPHA ( 2 ) = 10.120 BETA ( 1 ) = -5.010

SECTION ( 1 ) ON P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1085 -.1950 -.1222 -.1193

ALPHA ( 2 ) = 10.110 BETA ( 2 ) = -.760

SECTION ( 1 ) ON P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1003 -.1040 -.1441 -.1110

ALPHA ( 2 ) = 10.100 BETA ( 3 ) = 4.310

SECTION ( 1 ) ON P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1910 -.1934 -.1472 -.1262

ALPHA ( 3 ) = 20.390 BETA ( 1 ) = -6.170

SECTION ( 1 ) ON P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1060 -.2092 -.1637 -.1657





DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(084M16)

043 P00

ARC97-716 3A22 01

ALPHA ( 3 ) = 20.400 BETA ( 2 ) = -.070  
SECTION ( 1 ) 043 P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2127 -.1976 -.2091 -.1761

ALPHA ( 3 ) = 20.410 BETA ( 3 ) = 4.440  
SECTION ( 1 ) 043 P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2009 -.2073 -.2119 -.1973

ALPHA ( 4 ) = 27.060 BETA ( 1 ) = -6.510  
SECTION ( 1 ) 043 P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2094 -.2109 -.1665 -.1915

ALPHA ( 4 ) = 27.070 BETA ( 2 ) = 120  
SECTION ( 1 ) 043 P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2003 -.2012 -.2128 -.1990

ALPHA ( 4 ) = 27.100 BETA ( 3 ) = 4.750  
SECTION ( 1 ) 043 P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2106 -.2150 -.2116 -.1979

ONS F00

ARC97-716 0A22 01

PARAMETRIC DATA

MACH = 1.550 ELEVON = -20.000  
 RUDDER = .000 SPOBRK = .000

REFERENCE DATA

SREF = 2.4210 34. FT. XMRP = 29.5800 INCHES  
 LREF = 38.7090 INCHES YMRP = .0000 INCHES  
 BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0300 SCALE

ALPHA ( 1 ) = -.150 BETA ( 1 ) = -5.030

SECTION ( 1 ) ONS F00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2923 -.3059 .0949 .2346

ALPHA ( 1 ) = -.160 BETA ( 2 ) = -.060

SECTION ( 1 ) ONS F00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2732 -.2716 .0845 .1822

ALPHA ( 1 ) = -.190 BETA ( 3 ) = 4.930

SECTION ( 1 ) ONS F00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.3005 -.2896 .0325 .0601

ALPHA ( 2 ) = 10.070 BETA ( 1 ) = -5.160

SECTION ( 1 ) ONS F00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2973 -.3023 -.0645 .0233

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(RB4M17)

ONS P00

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A228

ARC97-716 0A22 01

ALPHA ( 2 ) = 10.070 BETA ( 2 ) = -.120  
 SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2868 -.3043 -.0392 -.0150

ALPHA ( 2 ) = 10.060 BETA ( 3 ) = 4.920

SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.3165 -.3000 -.1287 -.1010

ALPHA ( 3 ) = 20.300 BETA ( 1 ) = -5.360

SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.3289 -.3402 -.0280 -.1246

ALPHA ( 3 ) = 20.310 BETA ( 2 ) = -.077

SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.3339 -.3366 -.0825 -.2916

ALPHA ( 3 ) = 20.330 BETA ( 3 ) = 5.360

SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.3149 -.3480 -.3067 -.3623

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DATE 09 APR 75 TABULATED PRESSURE DATA - 0A228

(RB4M17)

OMS POD

ARC37-71G 0A22 01

ALPHA ( 4 ) = 26.930 BETA ( 1 ) = -5.100  
SECTION ( 1 ) OMS POD DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.3827 -.3887 -.2181 -.1787

ALPHA ( 4 ) = 26.960 BETA ( 2 ) = -.060  
SECTION ( 1 ) OMS POD DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.3639 -.3668 -.2227 -.2837

ALPHA ( 4 ) = 26.980 BETA ( 3 ) = 5.180  
SECTION ( 1 ) OMS POD DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.3753 -.3753 -.3604 -.3829



ONS P00

ARC97-716 0422 01

PARAMETRIC DATA  
 MACH = 2.200 ELEVON = -20.000  
 RUDDER = .000 SPOBRK = .000

REFERENCE DATA

SREF = 2.4210 34. FT. XMRP = 29.5800 INCHES  
 LREF = 36.7090 INCHES YMRP = .0000 INCHES  
 BREF = 36.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0300 SCALE

ALPHA ( 1 ) = -.140 BETA ( 1 ) = -5.090

SECTION ( 1 ) ONS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1822 -.1803 .0378 -.0173

ALPHA ( 1 ) = -.170 BETA ( 2 ) = .080

SECTION ( 1 ) ONS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1740 -.1856 -.0242 -.0344

ALPHA ( 1 ) = -.200 BETA ( 3 ) = 4.870

SECTION ( 1 ) ONS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1780 -.1868 -.0359 -.0602

ALPHA ( 2 ) = 10.100 BETA ( 1 ) = -4.980

SECTION ( 1 ) ONS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1948 -.2040 -.1316 -.1287

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DATE 09 APR 75 TABULATED PRESSURE DATA - 0A228

(R84M18)

0MS P00

ARC97-716 0A22 01

ALPHA ( 2 ) = 10.100 BETA ( 2 ) = .110  
SECTION ( 1 ) 0MS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1822 -.1903 -.1524 -.1118  
ALPHA ( 2 ) = 10.080 BETA ( 3 ) = 4.830

SECTION ( 1 ) 0MS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1967 -.2023 -.1467 -.1292  
ALPHA ( 3 ) = 20.360 BETA ( 1 ) = -6.020

SECTION ( 1 ) 0MS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2067 -.2087 -.1623 -.1645  
ALPHA ( 3 ) = 20.390 BETA ( 2 ) = .150

SECTION ( 1 ) 0MS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.1957 -.1991 -.2178 -.1772  
ALPHA ( 3 ) = 20.400 BETA ( 3 ) = 4.910

SECTION ( 1 ) 0MS P00 DEPENDENT VARIABLE CP

TAP NO 165.0000166.0000167.0000168.0000

.000 -.2026 -.2082 -.2023 -.1919



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A228

(RB4N10)

ONS P00

ARC97-716 0A22 01

ALPHA ( 4 ) = 27.030 BETA ( 1 ) = -5.120  
SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP  
TAP NO 165.0000166.0000167.0000168.0000

.000 -.2101 -.2152 -.1338 -.1865

ALPHA ( 4 ) = 27.070 BETA ( 2 ) = .090  
SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP  
TAP NO 165.0000166.0000167.0000168.0000

.000 -.2069 -.2091 -.0336 -.0600

ALPHA ( 4 ) = 27.090 BETA ( 3 ) = 5.110  
SECTION ( 1 ) OMS P00 DEPENDENT VARIABLE CP  
TAP NO 165.0000166.0000167.0000168.0000

.000 -.2131 -.2183 -.2061 -.2080

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ARC97-716 0A22 01

LOWER WING

(RB4LOS) ( 10 OCT 75 )

## REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
 LREF = 36.7090 INCHES YMRP = .0000 INCHES  
 BREF = 36.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0000 SCALE

MACOM ( 1 ) = 2.201 BETA ( 1 ) = -5.390

## PARAMETRIC DATA

ALPHA = 27.000 ELEVON = .000  
 RUDDER = .000 SPODBRK = .000

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.5340	.6730	.7800
.8870		.8870
.000	-.1632	-.2007
.020		.0014
.040		.6610
.060		.7251
.080		.6505
.100		.6107
.120		.5618
.140		1.0430
.160		1.1290
.180		1.0850
.200		.7088
.220		.2635
.240		.7141
.260		.9106
.280		1.0050
.300		1.0460
.320		1.0770
.340		.8519
.360		.7110
.380		.4659
.400		.034
.420		.4019
.440		.163
.460		.177
.480		.229
.500		.4991
.520		.246
.540		.250
.560		.274
.580		.362
.600		.390
.620		.362
.640		.6175
.660		.6805
.680		.6007
.700		.6680
.720		.7385
.740		.6007
.760		.7317
.780		.7235
.800		.6153
.820		.5636
.840		.5755
.860		.5694
.880		.5420
.900		.5502
.920		.4703
.940		.4629
.960		.4341
.980		.4308
.000		.4341
.020		.3408
.040		.4001
.060		.4308
.080		.3352
.100		.2976
.120		.3733





DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(88405)

LOWER WING

MACH ( 1 ) = 2.201 BETA ( 1 ) = -5.390

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.950 .2628 .0000  
.953 .2601  
.965 .3189

MACH ( 1 ) = 2.201 BETA ( 2 ) = -5.000

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 -.1681 -.2023 -.0058 .6396 .7068 .6359 .5951  
.020 .6982 .9860 1.0340 1.1200 1.0700  
.030 .2580 .7094 .9041 .9934 1.0350 1.0680  
.040 .3289 .8498  
.050 .7018  
.065 .4614  
.086 .3956 .7701 .9135 .9432 .9889  
.130 .6576 .6514  
.163 .6096 .7369 .8157 .8894 .8976  
.177 .6696  
.229 .6101 .7313 .7945 .8682  
.245 .6750  
.290 .6667 .7265 .7696  
.274 .5012 .6667 .7187 .7294  
.362 .6365 .5006 .5754 .5655  
.390 .5408 .4584 .5488  
.400 .4713  
.402 .4737 .3954 .4280 .4355  
.497 .4344  
.550 .7900 .725 .750 .760 .775 .808 .834 .855  
.600 .630 .650 .670 .690 .710 .730 .750 .770 .790 .810 .830 .850 .870 .890 .910 .930 .950 .970 .990

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(RB4LOS)

LOWER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

ARC97-716 0422 01

MACH ( 1 ) = 2.201 BETA ( 2 ) = -5.000

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

U/CW

.837 .3762  
 .865 .4342  
 .900 .4104  
 .905 .3325  
 .930 .3047  
 .953 .2607  
 .965 .2572  
 .3164 .2991  
 .3711 .0000

MACH ( 1 ) = 2.201 BETA ( 3 ) = -2.300

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 -1.1997 -2.2234 -.1126 .4163 .4875 .4364 .4065  
 .020 .8249 .8898 .9534 .9100  
 .030 .5494  
 .040 .1872 .5944 .7679 .8681 .9111 .9482  
 .050 .2589 .7331  
 .060 .6118  
 .085 .3863  
 .094 .3350  
 .130 .3762  
 .163 .6852 .8058 .8423 .8860  
 .177 .5718  
 .229 .4475  
 .246 .5547  
 .290 .6641 .7317 .7971 .8090  
 .274 .5976  
 .362 .3381 .5308  
 .390 .6582 .7179 .8019  
 .400 .8066  
 .432 .6120  
 .497 .5071 .8584 .7007  
 .590 .6567  
 .565 .5354  
 .600 .5312  
 .630 .5278  
 .670 .5153  
 .725 .9013  
 .750 .3762  
 .760 .3164



DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(RB4LOS)

LOWER WING

ARC97-716 0422 01

MACH ( 1 ) = 2.201 BETA ( 3 ) = -.230

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
K/CW							
.775				.4416	.4944		
.806			.4336				
.834	.4394						
.850				.3623	.3845	.4050	
.857			.3375				
.865	.4023						
.900	.3856		.3016				.3379
.905			.2846		.2770		
.930				.2382		.0000	
.933			.2478				
.965	.2883						

MACH ( 1 ) = 2.201 BETA ( 4 ) = 5.040

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
K/C4							
.000	-.2073	-.2288	-.1781	.1832	.2727	.2330	.1325
.020				.6462	.7122	.7594	.7136
.030			.3987				
.040		.1218					
.048			.4792				
.050	.1886			.6332	.7273	.7624	.7936
.060				.6212			
.085		.3186	.5119				
.086							
.094	.2532						
.150				.5897	.7001	.7277	.7642
.163		.5007					
.177			.5075				
.229	.3903						
.246		.4924					
.250				.5816	.6454	.7040	.7091
.274			.5409				
.362	.4833						
.383		.4851					
.400				.5936	.6392		.7078
.422			.5548				
.497	.4733						
.550				.5924	.6247		
.563			.5583				
.700							.6061
.630						.5824	

(R84LOS)

LOWER WING

MACH ( 1 ) = 2.201 BETA ( 4 ) = 3.040

ARC97-716 0422 01

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

K/Q

.700 .5365

.725

.750

.760

.775

.808

.834

.850

.857

.865

.903

.905

.950

.953

.955

.4786

.4590

.4155

.3892

.3324

.3331

.2634

.2346

.4966

.4731

.4668

.4392

.3410

.3563

.2727

.2401

.2135

.0300



(RB4L10) ( 10 OCT 75 )

LOWER WING

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000  
RUDDER = 10.000 SPOBRK = .000

TABULATED PRESSURE DATA - 04220

ARC97-716 0422 01

REFERENCE DATA

SREF = 2.4210 54. FT. YMRP = 29.5800 INCHES  
LREF = 34.7090 INCHES YMRP = .0000 INCHES  
BREF = 34.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = 1.550 BETA ( 1 ) = -9.990

DEPENDENT VARIABLE CP

SECTION ( 1 ) LOWER WING

X/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/OW

.000 -.2409 -.1499 .1282 .7044 .7095 .6344 .5883  
.020 .9156 .9490 1.0090 .9312  
.030 .7230  
.040 .2581  
.044 .6882  
.050 .8079 .8778 .9193 .9258  
.060 .7342  
.065 .6752  
.066 .4071  
.094 .3036  
.150 .6218  
.163 .6159  
.177 .5329  
.229 .5920  
.246 .6238 .7232 .7590 .7116  
.250  
.274 .5920  
.362 .5496  
.390 .6255 .6717 .6338  
.400 .5983  
.402  
.497 .4978  
.550 .5566 .5821  
.565 .4778  
.630 .3667 .3454  
.633 .3128 .3124  
.725 .3482  
.750 .2404 .3165  
.760 .2739  
.775 .1527 .1893 .1862  
.834 .1864  
.850 .2960  
.853  
.857 .1864  
.865 .2682  
.900 .2232  
.935 .3780 .0533 .1186

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## TABULATED PRESSURE DATA - 04228

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(R04L10)

LOWER WING

ARC97-716 0422 01

MACH ( 1 ) = 1.990 BETA ( 1 ) = -9.990

## SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
K/CW	.950	.953	.965	.1343	.0441	.0031	.0200

MACH ( 1 ) = 1.990 BETA ( 2 ) = -9.070

## SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
K/CW	.000	-.3058	-.2546	-.1543	.5037	.5317	.4605

	.020	.030	.040	.048	.050	.060	.065
	.086	.094	.120	.163	.177	.229	.246
	.250	.274	.362	.390	.403	.402	.487
	.530	.565	.600	.650	.700	.725	.750
	.760	.775	.800	.834	.850		

	.5699	.0971	.5789	.7517	.6175	.8637	.8748
	.6915	.5805	.6769	.7276	.7795	.7704	
	.5567	.4755	.6018	.6820	.7300	.6791	
	.5474	.5382	.6072	.6448	.6022		
	.5553	.5312	.5585	.5676			
	.4608	.3806	.3479	.2755	.3151	.2828	
	.2726	.3101	.1789	.1789	.1733		



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TABULATED PRESSURE DATA - OA228

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ARC97-716 OA22 O1

LOWER WING

(RB4L10)

MACH ( 1 ) = 1.550 BETA ( 2 ) = -5.070

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.857	.1868					
.865	.2823					
.900	.2409	.1032				.0988
.905		.1165	.0462			
.950			.0263			.0000
.953		.0761				
.965	.1409					

MACH ( 1 ) = 1.550 BETA ( 3 ) = .200

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.3965	-.3462	-.3335	.2860	.3265	.2602	.2114
.020				.7108	.7305	.7937	.7482
.030			.3954				
.040		-.0082					
.048			.4481				
.050	.0782			.6777	.7325	.7719	.7917
.080				.6363			
.085			.4780				
.086		.2205					
.094	.1572						
.150		.4416		.5789	.6809	.7192	.7165
.163							
.177		.4916					
.229	.2709						
.246		.3966					
.250				.5575	.6393	.6827	.6221
.274			.5117				
.362	.3439						
.390		.4645					
.400				.5782	.6095		.5592
.432		.5244					
.497	.3750						
.550				.5401	.5418		
.565		.5101					
.600							
.650							.4147
.700	.4840				.4402		
.725				.3819			
.750			.3781				
.760					.3029		.2594
.760		.3503					

(R84L10)

LOWER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - Q1228

ARC97-716 Q122 O1

MACH ( 1 ) = 1.550 BETA ( 3 ) = .200

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.773				.2909	.3111		
.808			.2667				
.834	.3085			.1960	.1747	.1720	
.850			.2071				
.857							
.865	.3105			.1212	.0607		.0918
.900	.2686		.1428				
.905				.0497		.0000	
.930			.1007				
.953							
.965	.1436						

MACH ( 1 ) = 1.550 BETA ( 4 ) = 5.010

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.4378	-.4078	-.3997	.0026	.1032	.0504	-.0117
.020				.5350	.5934	.6448	.5707
.030			.2503				
.040		-.0685					
.048			.3369				
.050	.0175			.5494	.6421	.5573	.6751
.080				.5255			
.085			.3909				
.086		.1338					
.094	.1069						
.150				.5041	.6097	.6393	.6432
.163		.3667					
.177			.4096				
.229	.2270						
.246		.3449					
.250				.5018	.5760	.6080	.5730
.274		.4459					
.362	.3465						
.390		.3948		.5232	.5573		.5199
.400							
.402			.4879				
.497	.3284			.4963	.5030		
.550							
.565			.4872				.3914
.600							
.650						.4142	





ARC97-716 Q422 01

LOWER WING

(RB4L10)

MACH ( 1 ) = 1.530 BETA ( 4 ) = 5.010

SECTION ( 1 ) LOWER WING

7/84	X/C4	.2990	.3640	.4270	.5340	.6750	.7850	.8870
	.700	.4774				.3642		
	.725				.3482			
	.750						.2900	.2436
	.760			.3350		.2646		
	.775			.2777				
	.806							
	.834	.2960						
	.850							
	.857			.2047	.1763	.1661	.1493	
	.865	.3096						
	.900	.2617						
	.905			.1475	.1133	.0573		.0803
	.950				.0532		.0000	
	.953			.1041				
	.965	.1269						

$$\text{WACH} (1) = 1.550 \quad \text{BETA} (5) = 9.980$$

SECTION (1) LOWER WING

X/CM	.2990	.3640	.4270	.5340	.6750	.7800	.8870
.000	-.4516	-.4364	-.4280	-.2340	-.1287	-.0754	-.1572
.020			.1077	.3454	.4483	.6072	.4780
.030							
.040		-.1381					
.048			.2220				
.050	-.0618			.3904	.5168	.6609	.6300
.080				.3971			
.085			.2834				
.086		.0810					
.094	.0349						
.150				.3975	.5242	.6434	.6209
.163		.2861					
.177			.3272				
.229	.1833						
.246		.2798					
.250				.4210	.5585	.6075	.5636
.274			.3638				
.362	.3012						
.390		.3188					
.400				.4653	.5696		.5176
.402			.4156				
.437	.2889						

ARC97-716 0422 Q1

LOWER WING

(RB4L10)

MACH ( 1 ) = 1.550 BETA ( 5 ) = 9.980

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7600	.8870
X/CW							
.550				.4932	.5069		
.565		.4358					.3858
.600							
.630						.4228	
.700	.4148			.3585	.3703		
.725						.3108	.2476
.750			.3302		.3028		
.760				.3169			
.775		.2983					
.808							
.834	.2671			.2094	.1868	.1636	
.850		.2389					
.857							
.865	.2942						.0796
.900	.2371		.1439		.0852		
.905		.1638		.0825		.0000	
.950			.1200				
.953							
.965	.1319						

MACH ( 2 ) = 2.201 BETA ( 1 ) = -10.170

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7600	.8870
X/CW							
.000	-.0437	-.0969	.3390	1.0000	1.0270	.9675	.9896
.020				.9605	.9942	1.0510	1.0830
.030			.7777				
.040		.3021					
.048			.6852				
.050	.3568			.8127	.8644	.9126	.9709
.060				.7169			
.085			.6330				
.086		.4428					
.094	.3625						
.150				.6244	.7379	.7887	.8585
.163		.5765					
.177			.5432				
.229	.3997						
.246		.5016					
.250				.5835	.6325	.7314	.7666
.274			.5229				
.562	.4495						





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## TABULATED PRESSURE DATA - 0A228

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(RB4L10)

LOWER WING

ARC97-716 0A22 01

MACH ( 2 ) = 2.201 BETA ( 2 ) = -3.050

## SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.246		.4309					
.250				.5192	.5944	.6558	.6827
.274			.4714				
.362	.4067						
.390		.4205					
.400				.5060	.5636		.6341
.402			.4600				
.497	.3647						
.530				.5129	.5553		
.565			.4620				
.600							
.650							.5263
.700	.4348				.4179	.5175	
.725				.3948			
.750						.3928	.3889
.760			.3664				
.775				.2764	.3722		
.808			.3043				
.834	.3033						
.850				.2413	.2728	.2697	
.857			.2244				
.865	.2704						
.900	.2424			.1834			.2199
.905			.1631	.1592			
.951				.1266		.0000	
.953			.1220				
.965	.1694						

MACH ( 2 ) = 2.201 BETA ( 3 ) = .060

## SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.1989	-.2133	-.0654	.5079	.5897	.5425	.5430
.020				.7211	.7514	.8144	.8055
.030			.4613				
.040		.1104					
.048			.4659				
.050	.1773			.6195	.6845	.7203	.7703
.060					.5659		
.085			.4630				
.086		.2670					
.094	.2231						





DATE 09 APR 75

TABULATED PRESSURE DATA - 04228

PAGE 198

(084L10)

LOWER WING

MACN ( 2 ) = 2.201 BETA ( 4 ) = 5.070  
 ARC97-716 0422 01

SECTION ( 1 ) LOWER WING	DEPENDENT VARIABLE CP			
Y/BW	X/CW			
-2990	.3640	.4270	.5340	.6730 .7800 .9873
.040			.4684	
.065		.3693		
.086		.2015		
.094	.1599			
.150		.3425		
.163			.4192	.5271 .5510 .5894
.177		.3458		
.229	.2599			
.246		.3333		
.250				
.274			.4034	.4571 .5109 .5305
.362	.3260	.3584		
.390		.3197		
.400			.4039	.4522 .5198
.432		.3717		
.497	.3025			
.550		.4136	.4405	
.565		.3806		
.603				.4401
.650			.4151	
.700	.3507		.3351	
.725		.3175		
.750			.3205	.3223
.763		.3046		
.775		.2428	.2516	.2922
.808				
.834	.2503			
.850		.1878	.1901	.2049 .2213
.857				
.865	.2500			
.900	.2046		.1433	.1764
.905		.1350	.1145	
.950			.0901	.0000
.955		.1046		
.965	.1236			



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TABULATED PRESSURE DATA - Q4228

PAGE 197

(084L10)

LOWER WING

MACH (2) = 2.201 BETA (5) = 10.180  
 SECTION (1) LOWER WING  
 DEFENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CM							
.000	-.2464	-.2332	-.2008	.0486	.1632	.1442	.1422
.020				.3874	.4606	.5012	.4847
.030			.1966				
.040		.0026					
.048			.2608				
.050	.0344			.3662	.4586	.4865	.5242
.060				.3509			
.065			.2929				
.086		.1556					
.094	.1028						
.150		.2921		.3243	.4286	.4518	.4837
.163			.2871				
.177	.2067						
.229		.2880					
.246				.3223	.3778	.4256	.4400
.250			.3020				
.274							
.362	.2911	.2717					
.390				.3350	.3812		.4432
.400			.3117				
.402				.3484	.3685		
.497	.2744		.3228				.3777
.550					.3458		
.565				.2700	.2836		
.580	.3044					.2626	.2707
.725							
.750			.2586				
.760				.2317	.2404		
.775			.1932				
.808				.1581	.1635	.1755	
.834	.2183		.1647				
.850							
.857							
.865	.1985			.1096			.1406
.900	.1775						
.935			.1126	.0845			
.950				.0629		.0000	
.955			.0846				
.965	.1013						

ARC97-716 0422 01

LOWER WING

(RB4L11) ( 10 OCT 75 )

## REFERENCE DATA

SREF = 2.4210 36. FT. XMRP = 29.5000 INCHES  
 LREF = 36.7090 INCHES YMRP = .0000 INCHES  
 BREF = 36.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0000 SCALE

MACH ( 1 ) = 1.550 BETA ( 1 ) = -9.990

## PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000  
 RUDDER = -10.000 SPOILER = .000

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/B	.2300	.3640	.4270	.5340	.6700	.7800	.8870
X/CW							
.000	-.2426	-.1534	.1264	.7063	.7159	.6378	.5354
.020				.9384	.9511	1.0260	.9996
.030			.7209				
.040		.2063					
.048			.6859				
.350	.2594			.8308	.8924	.9329	.9378
.080				.7534			
.08			.6769				
.085		.4069					
.094	.3024						
.130				.6828	.7763	.8289	.8137
.163		.6203					
.177			.6130				
.229	.3858						
.246		.5360					
.250				.6491	.7313	.7697	.7232
.274			.5917				
.362	.4948						
.390		.5537					
.400			.5980	.5477	.6837		.6458
.402							
.497	.5008						
.550			.5800	.5800	.5931		
.565			.5564				
.600							.4900
.650					.4864		
.700	.5358				.3931		
.725				.3887			
.750			.3439			.3192	.3198
.760				.2584	.3243		
.775			.2759				
.808							
.834	.2884						
.850				.1733	.1968	.1910	
.857			.1877				
.865	.2607						
.890	.2284			.0368			.1262
.900			.0374		.0554		
.935							





SECTION 1 (LOWER WING)		DEPENDENT VARIABLE CP	
MACRO (1) =	1.990	BETA (1) =	-9.990
2.000	1.940	.4270	.5340
2.000	1.940	.6750	.7800
2.000	1.940	.6750	.8870

	W/C		
.950	.0175		.0030
.993	.0428		
.965	.1354		

SECTION (1) LOWER WING		DEPENDENT VARIABLE OF	
WAGON (1) = 1.550	BETA (2) = -5.060		
W/M	2.990	.3640	.4270
		.5340	.6730
		.7800	.8870

0.00	-.3141	-.2636	-.1622	.4935	.5271	.4565	.4374
0.25				.8259	.8587	.9279	.8933
0.50			.5641				
0.75		.0924					
1.00			.3763				
1.25	.1724			.7548	.8237	.8659	.8776
1.50				.6973			

[illegible]

3562	.4233	.5039	.6110	.6497	.6302
3693					
4003					
4032		.5549			
4337	.4340				
5553			.5535	.5766	
5665		.5203			
6030					.4570
6933				.4611	
7003	.9076			.3051	
7235			.3014		
7502					.2075
7502					.2072

1963	1964	1965	1966	1967
1.763	1.773	1.783	1.793	1.803
1.813	1.823	1.833	1.843	1.853
1.863	1.873	1.883	1.893	1.903
1.913	1.923	1.933	1.943	1.953
1.963	1.973	1.983	1.993	2.003
2.013	2.023	2.033	2.043	2.053
2.063	2.073	2.083	2.093	2.103
2.113	2.123	2.133	2.143	2.153
2.163	2.173	2.183	2.193	2.203
2.213	2.223	2.233	2.243	2.253
2.263	2.273	2.283	2.293	2.303
2.313	2.323	2.333	2.343	2.353
2.363	2.373	2.383	2.393	2.403
2.413	2.423	2.433	2.443	2.453
2.463	2.473	2.483	2.493	2.503
2.513	2.523	2.533	2.543	2.553
2.563	2.573	2.583	2.593	2.603
2.613	2.623	2.633	2.643	2.653
2.663	2.673	2.683	2.693	2.703
2.713	2.723	2.733	2.743	2.753
2.763	2.773	2.783	2.793	2.803
2.813	2.823	2.833	2.843	2.853
2.863	2.873	2.883	2.893	2.903
2.913	2.923	2.933	2.943	2.953
2.963	2.973	2.983	2.993	3.003
3.013	3.023	3.033	3.043	3.053
3.063	3.073	3.083	3.093	3.103
3.113	3.123	3.133	3.143	3.153
3.163	3.173	3.183	3.193	3.203
3.213	3.223	3.233	3.243	3.253
3.263	3.273	3.283	3.293	3.303
3.313	3.323	3.333	3.343	3.353
3.363	3.373	3.383	3.393	3.403
3.413	3.423	3.433	3.443	3.453
3.463	3.473	3.483	3.493	3.503
3.513	3.523	3.533	3.543	3.553
3.563	3.573	3.583	3.593	3.603
3.613	3.623	3.633	3.643	3.653
3.663	3.673	3.683	3.693	3.703
3.713	3.723	3.733	3.743	3.753
3.763	3.773	3.783	3.793	3.803
3.813	3.823	3.833	3.843	3.853
3.863	3.873	3.883	3.893	3.903
3.913	3.923	3.933	3.943	3.953
3.963	3.973	3.983	3.993	4.003
4.013	4.023	4.033	4.043	4.053
4.063	4.073	4.083	4.093	4.103
4.113	4.123	4.133	4.143	4.153
4.163	4.173	4.183	4.193	4.203
4.213	4.223	4.233	4.243	4.253
4.263	4.273	4.283	4.293	4.303
4.313	4.323	4.333	4.343	4.353
4.363	4.373	4.383	4.393	4.403
4.413	4.423	4.433	4.443	4.453
4.463	4.473	4.483	4.493	4.503
4.513	4.523	4.533	4.543	4.553
4.563	4.573	4.583	4.593	4.603
4.613	4.623	4.633	4.643	4.653
4.663	4.673	4.683	4.693	4.703
4.713	4.723	4.733	4.743	4.753
4.763	4.773	4.783	4.793	4.803
4.813	4.823	4.833	4.843	4.853
4.863	4.873	4.883	4.893	4.903
4.913	4.923	4.933	4.943	4.953
4.963	4.973	4.983	4.993	5.003
5				

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OF POOR QUALITY**

(RB411)

LOWER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - 04220

ARC97-716 0422 01

MACH ( 1 ) = 1.550 BETA ( 2 ) = -5.080

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CM

.857 .1031  
 .865 .2748  
 .900 .2499 .1034 .0467 .1017  
 .905 .1112 .0467 .0000  
 .950 .0270 .0000  
 .955 .0754  
 .965 .1366

MACH ( 1 ) = 1.550 BETA ( 3 ) = .180

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CM

.300 -.4060 -.3573 -.3371 .2802 .3269 .2569 .2102  
 .020 .020 .020 .020 .020 .020 .020 .020  
 .030 .030 .030 .030 .030 .030 .030 .030  
 .040 .040 .040 .040 .040 .040 .040 .040  
 .048 .048 .048 .048 .048 .048 .048 .048  
 .050 .050 .050 .050 .050 .050 .050 .050  
 .055 .055 .055 .055 .055 .055 .055 .055  
 .060 .060 .060 .060 .060 .060 .060 .060  
 .064 .064 .064 .064 .064 .064 .064 .064  
 .100 .100 .100 .100 .100 .100 .100 .100  
 .163 .163 .163 .163 .163 .163 .163 .163  
 .177 .177 .177 .177 .177 .177 .177 .177  
 .229 .229 .229 .229 .229 .229 .229 .229  
 .246 .246 .246 .246 .246 .246 .246 .246  
 .250 .250 .250 .250 .250 .250 .250 .250  
 .274 .274 .274 .274 .274 .274 .274 .274  
 .362 .362 .362 .362 .362 .362 .362 .362  
 .390 .390 .390 .390 .390 .390 .390 .390  
 .400 .400 .400 .400 .400 .400 .400 .400  
 .432 .432 .432 .432 .432 .432 .432 .432  
 .497 .497 .497 .497 .497 .497 .497 .497  
 .550 .550 .550 .550 .550 .550 .550 .550  
 .565 .565 .565 .565 .565 .565 .565 .565  
 .800 .800 .800 .800 .800 .800 .800 .800  
 .890 .890 .890 .890 .890 .890 .890 .890  
 .900 .900 .900 .900 .900 .900 .900 .900  
 .925 .925 .925 .925 .925 .925 .925 .925  
 .950 .950 .950 .950 .950 .950 .950 .950  
 .960 .960 .960 .960 .960 .960 .960 .960



(R04L11)

DATE 08 APR 73 TABULATED PRESSURE DATA - 0A228

LOWER WING

MACN ( 1 ) = 1.550 BETA ( 3 ) = .160

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.775	.2887	.3001
.808	.2839	
.834	.3044	
.850		
.857	.1981	
.865	.2972	
.903	.2628	
.925	.1355	.1187
.950		.0374
.953	.0356	.0000
.965	.1393	

MACN ( 1 ) = 1.550 BETA ( 4 ) = 5.000

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.4583	-.4109	-.3962	.0110	.1226	.0600	.0049
.020				.5443	.5992	.6451	.5782
.030		-.0754	.2446				
.040			.3290				
.048				.5521	.6407	.6626	.6759
.050	.0064			.5237			
.060			.3782				
.065		.1491					
.086				.5080	.6093	.6351	.6435
.094	.1015						
.100		.3641					
.163			.4380				
.177							
.229	.2320	.3370		.4993	.5711	.6108	.5753
.246							
.250			.4638				
.274	.3448						
.362		.3837					
.390				.5252	.5523		.5265
.420			.4787				
.432							
.497	.3279			.4937	.5348		
.550							
.565			.4726				.3903
.600							.4136
.650							

DATE 08 APR 75 TABULATED PRESSURE DATA - 04220

(R04L11)

LOWER WING

ARC97-716 0422 01

MACH ( 1 ) = 1.550 BETA ( 4 ) = 5.000

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	.2990	.3540	.4270	.5340	.6730	.7800	.8870
.700	.4702				.3550			
.725						.2903		.2511
.750				.3271				
.760					.2846	.2860		
.775				.2696				
.800								
.834	.2070				.1828	.1689	.1551	
.850				.1964				
.865	.2966							
.900	.2568			.1199				.0830
.925				.1382	.0600			
.950					.0606		.0000	
.955				.3997				
.965	.1272							

MACH ( 1 ) = 1.550 BETA ( 5 ) = 9.970

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CF

Y/BW	X/CW	.2990	.3540	.4270	.5340	.6730	.7800	.8870
.000	-.4562	-.4433	-.4275	-.2342	-.1210	-.0707	-.1550	
.020				.3455	.4453	.6076	.4792	
.030			.1043					
.040		-.1594						
.048			.2159					
.050	-.0879			.3903	.5159	.6571	.6306	
.060				.3998				
.065			.2849					
.066		.0803						
.094	.0288							
.130					.5572	.5233	.6420	.6235
.163		.2817						
.177			.3194					
.229	.1745							
.246		.2783						
.250					.4229	.5573	.6069	.5637
.274			.3560					
.362	.2881							
.390		.3127						
.400					.4628	.5676		.5154
.422								
.487	.2795			.4082				



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22B

(R84L11)

LOWER WING

MACH ( 1 ) = 1.550 BETA ( 5 ) = 9.970

ARC97-716 0A22 01

SECTION ( 1 ) LOWER WING	DEPENDENT VARIABLE CP
Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870	
X/CW	
.590	.4914 .5021
.565	.4260
.600	
.630	.4176
.700	.3683
.725	.3593
.750	.3038 .2475
.760	.3253
.775	.3147 .2949
.808	.2916
.834	.2045 .1858 .1601
.850	.2315
.857	
.865	.1422
.900	.1590 .0800 .0779
.905	.0834
.950	.0000
.953	.1148
.965	.1236

MACH ( 2 ) = 2.201 BETA ( 1 ) = -10.180

SECTION ( 1 ) LOWER WING	DEPENDENT VARIABLE CP
Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870	
X/CW	
.000	.9940 1.0220 .9598 .9853
.020	.9621 .9874 1.0460 1.0810
.030	.7743
.040	.3017
.048	.6836
.050	.8141 .8628 .9080 .9698
.060	.7144
.085	.6319
.086	.4424
.094	.3845
.130	
.163	.5780
.177	.5427
.229	.4031
.246	.5011
.250	
.274	.5789 .6469 .7288 .7666
.352	.5210

(RB4L11)

LOWER WING

ARC97-716 0422 01

MACH ( 2 ) = 2.201 BETA ( 1 ) = -10.180

SECTION ( 1 ) LOWER WING		DEPENDENT VARIABLE CP			
Y/BW	X/CW	.2990	.3640	.4270	.5340 .6730 .7800 .8870
.390	.4639				
.400				.5385	.6170 .7076
.402			.4979		
.497	.4058				
.550				.5557	.6078
.565			.5067		
.600					.5886
.650					.5683
.700	.4734			.4328	.4588
.725					
.750					
.760					
.775			.3919		.4347
.808			.3296		
.834	.3250				
.850				.2744	.3111 .3106
.857			.2481		
.865	.2929				
.900	.2617			.2150	.1932 .2476
.905			.1909		
.950				.1519	.0000
.953			.1454		
.965	.2018				

MACH ( 2 ) = 2.201 BETA ( 2 ) = -5.060

SECTION ( 1 ) LOWER WING		DEPENDENT VARIABLE CP			
Y/BW	X/CW	.2990	.3640	.4270	.5340 .6730 .7800 .8870
.000	-1.1520				
.020			.0852	.7556	.8144 .7597 .7758
.030			.6123	.8475	.8819 .9310 .9522
.040	.1896				
.048			.5674		
.050	.2518			.7229	.7733 .8187 .8702
.060				.6442	
.065			.5358		
.066	.3431				
.094	.2857				
.150				.5548	.6784 .7195 .7643
.163	.4904				
.177			.4718		
.229	.3372				



(RB4L11)

DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

LOWER WING

MACH ( 2 ) = 2.201 BETA ( 2 ) = -5.060		ARC97-716 0422 01	
SECTION ( 1 ) LOWER WING		DEPENDENT VARIABLE CP	
Y/BW	X/CW		
.2990	.3640	.4270	.5340 .6730 .7800 .8870
	.4340		
		.5150	.5928 .6518 .6801
	.4013	.4669	
		.4145	
		.5043	.5589 .6307
	.3613	.4558	
		.5107	.5500
		.4580	
	.4293		.5138 .5230
		.3927	.4147
			.3950 .3880
		.3634	.3727
		.3043	
	.2992	.2436	.2730 .2719
		.2248	
	.2694	.1852	.2186
	.2424	.1610	.1611
	.2035	.1285	.0000
	.1950	.1195	
	.1665		

MACH ( 2 ) = 2.201 BETA ( 3 ) = .050		DEPENDENT VARIABLE CP	
SECTION ( 1 ) LOWER WING		DEPENDENT VARIABLE CP	
Y/BW	X/CW		
.2990	.3640	.4270	.5340 .6730 .7800 .8870
	.2017	-.2142	.5083 .5892 .5461 .5397
		-.0790	.7178 .7548 .8095 .8037
		.4585	
	.1055		
		.4651	
	.1746	.6225	.6779 .7157 .7631
		.5626	
	.0803	.4603	
	.0866	.2643	
	.094		

ARC97-716 0422 01

LOWER WING

(RB4L11)

MACH ( 2 ) = 2.201 BETA ( 3 ) = .050

SECTION ( 1 ) LOWER WING		DEPENDENT VARIABLE CP		
Y/BW	X/CW	.4270	.5340	.6730
.2990	.3640	.4270	.5340	.6730
.190		.4862	.5978	.6340
.163	.4100			.6781
.177		.4062		
.229	.2956			
.246	.3825			
.250		.4581	.5158	.5824
.274	.4133			.5968
.362	.3653			
.390	.3665			
.400		.4534	.5074	.5779
.402		.4121		
.497	.3277			
.550		.4615	.4971	
.565	.4136			
.600				.4890
.650				
.700	.3905	.3752		.4641
.725		.3509		
.750				.3643
.760	.3249	.2590	.3345	.3575
.775	.2680			
.808				
.834	.2678			
.850		.2136	.2394	.2488
.857	.1998			
.865	.2416			
.900	.2184	.1619	.1352	.1991
.905		.1403		
.950		.1042		.0000
.955	.1039			
.965	.1416			

MACH ( 2 ) = 2.201 BETA ( 4 ) = 5.060

SECTION ( 1 ) LOWER WING		DEPENDENT VARIABLE CP		
Y/BW	X/CW	.4270	.5340	.6730
.2990	.3640	.4270	.5340	.6730
.000	-.2329	-.1717	.2778	.3750
.020			.5662	.6235
.030		.3142		.6749
.040	.0426			.6513
.048		.3536		
.050	.0959	.5045	.5822	.6115
				.6486





DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(RB4L11)

LOWER WING

ARC37-716 0422 01

MACH ( 2 ) = 2.201 BETA ( 4 ) = 5.060

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3540	.4270	.5340	.6730	.7800	.8870
X/CW				.4661			
.080				.3651			
.085		.1994					
.086							
.094	.1945			.4113	.5216	.5464	.5894
.130		.3403					
.163			.3443				
.177							
.229	.2404						
.246		.3290		.3982	.4540	.5025	.5262
.290			.3565				
.274	.3242						
.362		.3141		.4009	.4483		.5141
.390			.3651				
.430	.2973			.4076	.4380		
.402			.3739				.4357
.497					.4107		
.590							
.565							
.600							
.630							
.700	.3472			.3310			
.725			.3129				
.750				.3209	.3165		
.760		.2979					
.775		.2505	.2901				
.808		.2365					
.834	.2533						
.850		.1893	.2065	.2202			
.857		.1850					
.865	.2247						.1726
.900	.2020		.1383	.1139			
.935		.1315					
.950		.0870		.0000			
.953		.0993					
.965	.1201						

(RB4L11)

LOWER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

ARC97-716 0422 01

MACH ( 2 ) = 2.201 BETA ( 5 ) = 10.170

SECTION ( 1 ) LOWER WING		DEPENDENT VARIABLE CP				
Y/BW	X/CW					
.2990	.3640	.4270	.5340	.6730	.7800	.8870
-.2493	-.2336	-.2125	.0490	.1624	.1436	.1404
		.1950	.3832	.4586	.5003	.4849
	.0007					
	.2597		.3672	.4532	.4821	.5216
		.2915	.3475			
	.1499					
.0987			.3207	.4260	.4475	.4827
.150	.2892	.2811				
.177						
.229	.1997					
.246	.2850		.3163	.3752	.4204	.4386
.250		.3012				
.274	.2662					
.362			.3323	.3757		.4374
.393	.2662					
.400		.3066				
.402						
.497	.2729		.3438	.3674		
.553		.3183				.3720
.565					.3427	
.603						
.650	.3017		.2632	.2764		
.703						
.725					.2618	.2682
.760		.2553	.2293	.2382		
.775		.1937				
.808	.2137					
.834		.1546	.1614	.1760		
.857		.1615				
.865	.1941					
.903	.1770		.1062	.0826		.1385
.905		.1088				
.950		.0590			.0000	
.955		.0823				
.965	.0984					





(RB4L12)

LOWER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

ARC97-716 0422 01

MACH ( 1 ) = 1.550 ALPHA ( 1 ) = -.140  
 SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW  
 .950  
 .953  
 .965  
 -.2486  
 -.2637  
 .0000

MACH ( 1 ) = 1.550 ALPHA ( 2 ) = 10.090  
 SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW  
 .000  
 -.2154  
 -.2475  
 .0515  
 .5599  
 .5979  
 .5594  
 .5676  
 .020  
 .030  
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-.2475  
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TABULATED PRESSURE DATA - 04228

(RB4L12)

LOWER WING

DATE 09 APR 75

ARC37-716 0422 01

MACH ( 1 ) = 1.550 ALPHA ( 2 ) = 13.090

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.897				-.0205			
.865							
.830				-.0640			-.0810
.795				-.0748	-.1107		
.760				-.1287		.0000	
.725				-.1094			
.690							
.655				-.0436			

MACH ( 1 ) = 1.550 ALPHA ( 3 ) = 20.330

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.4041	-.3499	-.3362	.2835	.3255	.2493	.2004
.020				.6386	.7286	.7905	.7419
.040			.3980				
.060		-.0093					
.080			.4535				
.100	.0835			.6709	.7311	.7667	.7891
.120				.6290			
.140			.4781				
.160		.2227					
.180	.1581			.5692	.6705	.7171	.7112
.200		.4399					
.220	.2741		.4945				
.240		.3966					
.260				.5488	.6286	.6750	.6165
.280	.274		.5137				
.300	.3829						
.320		.4655					
.340				.5647	.6030		.5572
.360	.3740		.5280				
.380							
.400				.5242	.5394		
.420			.5126				
.440							
.460							
.480							
.500							
.520							
.540							
.560							
.580							
.600							
.620							
.640							
.660							
.680							
.700							
.720							
.740							
.760							
.780							
.800							
.820							
.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
.000							

LOWER WING

(RB4L12)

ARC97-716 0422 01

MACH ( 1 ) = 1.550 ALPHA ( 3 ) = 20.330

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7600	.8870
X/CW							
.775				.2028	.2966		
.808			.2865				
.834	.3106						
.850				.1856	.1726	.1672	
.857		.2041					
.865	.3034						
.900	.2693		.1119	.0562			.0829
.905		.1435			.0000		
.950			.0376				
.955		.1015					
.965	.1448						

MACH ( 1 ) = 1.550 ALPHA ( 4 ) = 26.970

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7600	.8870
X/CW							
.000	-.4720	-.4361	-.4015	.0316	.0427	-.0424	-.1225
.020				.7643	.8003	.7965	.6604
.030			.4469				
.040		.0430					
.048			.5523				
.050	.1415			.8274	.8921	.8915	.8603
.060			.6146	.8233			
.066		.3217					
.094	.2326			.8026	.8762	.8603	.8352
.150		.5964					
.163			.7123				
.177							
.229	.4134						
.246		.5677					
.250				.7931	.8298	.8358	.7649
.274			.7430				
.362	.3755						
.390		.7027					
.400				.7639	.7752		.6971
.432			.7484				
.497	.6245						
.550			.6977	.6831			
.565			.6877				
.800							.5379
.850							.5787



(RB4L12)

LOWER WING

MACH ( 1 ) = 1.550 ALPHA ( 4 ) = 26.373

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.700	.6843			.5137			
.725				.5111		.4294	.3815
.750			.4691				
.760				.4333	.4171		
.775			.4075				
.808							
.834	.4312			.3068	.2920	.2737	
.850			.3421				
.865	.4396						.1907
.920	.3939		.2653	.2328	.1642		
.905				.1704		.0000	
.950			.2135				
.955	.2483						

MACH ( 2 ) = 2.201 ALPHA ( 1 ) = -1.140

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CF

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	.0423	.0405	.3424	.7820	.7187	.6574	.7126
.020				.0431	.0346	.0224	.0758
.030			.0700				
.040		.0093					
.048			.0324				
.050	.0097			-.0346	.0112	-.0040	-.0056
.060				-.0580			
.085			.0093				
.086		.0280					
.094	.0020						
.130				-.0588	-.0251	-.0118	-.0080
.163		.0323					
.177			-.0039				
.229	-.0066						
.246		.0185					
.250				-.0406	-.0424	-.0148	-.0080
.274			-.0136				
.362	.0291						
.390		-.0090					
.400				-.0225	-.0336		-.0080
.432							
.487			-.0337				

(RB4L12)

**LOWE WING**

PAGE 09 APR 75

ARC97-716 Q422 01

$$\text{HACH} (2) = 2.201 \quad \text{ALPHA} (1) = -.103$$

SECTION 1 (11) OVER VING

DEPENDENT VARIABLE CP

[illegible]

550	-.0091	-.0125	
565	.0023		-.0381
600			
650		-.0561	
700			
725	.0105		
750		-.0567	
760		-.0534	
775	-.0308		-.0750
800	-.0672	-.0581	-.0556
834			
850	-.0903		
857		-.1057	-.1143
865	-.0960		
900		-.1344	-.1410
905	-.0823		
950	-.1257	-.1219	.0000
953		-.1593	
955	-.1446		
955	-.1021		



(RB4L12)

LOWER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - 04229

AR-37-716 0422 01

MACH ( 2 ) = 2.201 ALPHA ( 3 ) = 10.110

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW		.1575		.1943	.2282		.2712
.390							
.430				.1857			
.432							
.497	.1331						
.550				.1908	.2184		
.565			.1812				.2051
.600						.1890	
.650				.1198	.1294		
.700	.1668						
.725						.1293	.1228
.750			.1116				
.760			.0726	.0580	.1050		
.775							
.808	.0748			.0199	.0435	.0485	
.834							
.850			.0256				
.857							
.865	.0636						.0381
.900	.0391		.0177				
.905							
.935			.0175	.0182			
.950				.0351	.0000		
.955			.0453				
.965	.0133						

MACH ( 2 ) = 2.201 ALPHA ( 3 ) = 20.400

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW		.1170		.1632	.1946	.2250	.2617
.000							
.020				.5423	.6159	.5672	.5719
.030			.4742	.7321	.7731	.8163	.8308
.040		.1170					
.048			.4732				
.050				.6258	.6946	.7250	.7617
.080	.1862			.5628			
.085			.4608				
.086		.2767					
.094	.2345						
.150				.4327	.6106	.6423	.6324
.160		.4245					
.170			.4130				
.228	.2868						

(RB4L12)

LOWER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - 04220

ARC97-716 0422 01

MACH ( 2 ) = 2.201 ALPHA ( 3 ) = 23.400

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2900	.3640	.4270	.5340	.6750	.7800	.8870
X/CW							
.248		.3872		.4629	.5271	.5934	.5045
.290			.4209				
.274							
.362	.3722						
.393		.3677		.4471	.5161		.5800
.433			.4167				
.432							
.497	.3305			.4604	.5054		
.590			.4197				
.600							.4852
.650					.3722		
.700	.4015			.3485			
.725						.3707	.3610
.750			.3295	.2510	.3344		
.760			.2756				
.775							
.838	.2753			.2036	.2432	.2548	
.834							
.890			.7025				
.857							
.865	.2451			.1524			.2340
.900	.2215						
.915			.1428	.1398			
.930				.0947		.0000	
.953			.1064				
.965	.1455						

MACH ( 2 ) = 2.201 ALPHA ( 4 ) = 27.070

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2900	.3640	.4270	.5340	.6750	.7800	.8870
X/CW							
.300				.4367	.5057	.4485	.4169
.020				.8399	.8688	.9606	.9210
.030			.5555				
.040		.1088					
.048			.5948				
.050	.8900			.7788	.8765	.9143	.9564
.080			.6154	.7418			
.085							
.086		.3880					
.384	.3342						



(RB4L12)

DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

LOWER WING

MACH ( 2 ) = 2.201 ALPHA ( 4 ) = 27.370		ARC97-716 0422 01		DEPENDENT VARIABLE CP	
SECTION ( 1 ) LOWER WING					
Y/BW					
.2990	.3640	.4270	.5340	.6730	.7800 .8870
X/CW					
.150			.5765	.8133	.8486 .8980
.163	.5746				
.177		.5792			
.229	.4499				
.246		.5338			
.253			.6617	.7369	.8055 .8147
.274		.6060			
.362	.5365				
.393		.5575			
.400			.6649	.7275	.8003
.402		.6126			
.437	.5046				
.550		.6134	.6624	.7037	
.565					
.600					
.630				.6621	.6798
.700	.5845		.5323	.5516	
.725				.5277	.5159
.750		.5028			
.760			.4336	.4929	
.775		.4328			
.808			.3625	.3826	.3997
.834	.4430	.3519			
.850					
.857					
.865	.4040				
.900	.3833	.2846	.3007	.2763	.3331
.905					
.950		.2366		.0000	
.953		.2482			
.965	.2886				

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DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(RB4L13) ( 08 OCT 75 )

LOWER WING

ARC97-716 0422 01

PARAMETRIC DATA

BETA = .000 ELEVON = .000  
RUDDER = .000 SPOBRK = 85.000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
LREF = 38.7090 INCHES YMRP = .0000 INCHES  
BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0300 SCALE

MACH ( 1 ) = 1.550 ALPHA ( 1 ) = -.130

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.000	-.0069	.3758
.020	-.0066	.6893
.030	.1349	-.0854
.040	.0073	-.1769
.048	.0886	-.1787
.050	-.0244	-.1749
.080	-.0784	-.1887
.085	-.0708	-.1887
.086	.0516	-.1887
.094	.0456	-.1887
.130	-.0364	-.1887
.163	.1052	-.1887
.177	-.0012	-.1887
.229	-.0282	-.1887
.246	.0397	-.1887
.290	-.0424	-.1887
.274	-.0146	-.1887
.362	.0392	-.1887
.390	-.0082	-.1887
.400	.0036	-.1887
.402	-.0143	-.1887
.497	.0000	-.1887
.530	.0002	-.1887
.565	.0002	-.1887
.500	.0002	-.1887
.650	.0077	-.1887
.700	-.0750	-.1887
.725	-.0718	-.1887
.750	-.1190	-.1887
.760	-.1212	-.1887
.775	-.1067	-.1887
.808	-.1067	-.1887
.834	-.1067	-.1887
.850	-.1067	-.1887
.857	-.1067	-.1887
.865	-.1067	-.1887
.900	-.1067	-.1887
.905	-.1067	-.1887



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22B

(RB4L13)

LOWER WING

ARC97-716 0A22 01

MACH ( 1 ) = 1.550 ALPHA ( 1 ) = -1.130

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/B4 .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.950  
.953  
.965

-.2680  
-.2436

.0000

MACH ( 1 ) = 1.550 ALPHA ( 2 ) = 10.100

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/B4 .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000  
.020  
.030  
.040  
.048  
.050  
.080  
.085  
.086  
.094  
.150  
.163  
.177  
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.720  
.725  
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.775  
.808  
.834  
.850

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-.2447  
-.0566  
-.0562  
-.5089  
-.4060  
-.0246  
-.3506  
-.3935  
-.4081  
-.3398  
-.3049  
-.1173  
-.2558  
-.2418  
-.2171  
-.2294  
-.2033  
-.2388  
-.2189  
-.2463  
-.2730  
-.2124  
-.1447  
-.1406  
-.1156  
-.0535  
-.0641  
-.0039  
-.0046  
-.0137

.5662  
.6044  
.5556  
.5640  
.5414  
.4392  
.4600

.3305  
.3551  
.3860  
.3248  
.3282  
.2937  
.2021  
.0784

(RB4L13)

LOWER WING

ARC97-716 0A22 01

MACH ( 1 ) = 1.550 ALPHA ( 2 ) = 10.100

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .5730 .7800 .8870

X/CW

.857

.855

.861

.900

.905

.950

.953

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MACH ( 1 ) = 1.550 ALPHA ( 3 ) = 20.350

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .5730 .7800 .8870

X/CW

.857

.855

.861

.900

.905

.950

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(RB4L13)

LOWER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - OA22C

ARC97-716 OA22 01

MACH ( 1 ) = 1.550 ALPHA ( 3 ) = 20.350

SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

Y/BW	X/CW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
	.775				.2904	.3004		
	.808			.2829				
	.834	.3071						
	.850				.1924	.1758	.1714	
	.857			.2001				
	.865	.2966						.0898
	.900	.2650		.1198	.1186	.0579		
	.905						.0000	
	.930			.0979	.0461			
	.953							
	.965	.1421						

MACH ( 1 ) = 1.550 ALPHA ( 4 ) = 27.000

SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

Y/BW	X/CW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
	.000	-.4688	-.4327	-.3991	.0266	.0512	-.0440	-.1175
	.020				.7670	.8034	.7982	.6651
	.030			.4420				
	.040		.0501					
	.048			.5558				
	.050	.1432			.8279	.9016	.8978	.8597
	.080				.8253			
	.085			.6170				
	.086		.3170					
	.094	.2512			.8049	.8842	.8900	.8368
	.150							
	.163		.5990					
	.177			.7100				
	.229	.4188						
	.246		.5702					
	.250				.7917	.8300	.8415	.7685
	.274			.7458				
	.362	.5728	.7058					
	.390							.6999
	.400			.7491	.7716	.7797		
	.432							
	.497	.6286						
	.530			.6879	.7025	.6887		
	.565							.5427
	.600							.5806
	.650							

DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(RB4L13)

LOWER WING

MACH ( 1 ) = 1.550 ALPHA ( 4 ) = 27.000

SECTION ( 1 ) LOWER WING

Y/BW	X/CW	DEPENDENT VARIABLE CP
.2980	.3640	.4270 .5340 .6730 .7800 .8870
.700	.6844	.5172
.725		.5197
.750		.4334 .3841
.760		.4693
.775		.4312 .4209
.808		.4117
.834	.4330	.3454
.850		.3110 .2966 .2765
.857		
.865	.4422	.2346
.900	.3964	.2689 .1683 .1934
.905		.1733 .0000
.930		.2133
.953		
.965	.2902	

MACH ( 2 ) = 2.201 ALPHA ( 1 ) = -1.130

SECTION ( 1 ) LOWER WING

Y/BW	X/CW	DEPENDENT VARIABLE CP
.2990	.3640	.4270 .5340 .6730 .7800 .8870
.000	.0437 .0441	.7810 .7222 .6615 .7176
.020		.0474 .0385 .0252 .0778
.030		.0736
.040	.0110	
.048		.0368
.050	.0119	-.0298 .0144 -.0001 -.0029
.060		-.0537
.065		.0110
.066	.0296	
.094	.0030	
.130		-.0539 -.0215 -.0089 -.0057
.163	.0348	
.177		-.0076
.229	.0048	
.246		.0188
.250		
.274		-.0124
.362	.0314	
.390		-.0076
.400		-.0184 -.0352 -.0052
.432		-.0071
.495	.0033	





DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(RB4L13)

LOWER WING

ARC97-716 0422 01

MACH ( 2 ) = 2.201 ALPHA ( 1 ) = -.130

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.550						
.565						
.600						
.650						
.700						
.725						
.750						
.760						
.775						
.808						
.834						
.850						
.857						
.865						
.900						
.905						
.950						
.955						
.965						

MACH ( 2 ) = 2.201 ALPHA ( 2 ) = 10.110

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000						
.020						
.030						
.040						
.048						
.050						
.060						
.065						
.066						
.094						
.150						
.165						
.177						
.229						
.246						
.250						
.274						
.362						

DATE 09 APR 75

## TABULATED PRESSURE DATA - OA228

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LOWER WING (RB4L13)

ARC97-716 OA22 01

MACH ( 2 ) = 2.201 ALPHA ( 2 ) = 10.110

## SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.5340	.6730	.7800
.8870		
.390	.1582	
.400		
.402		
.497	.1351	
.550		
.565		
.600		
.630		
.700	.1671	
.725		
.750		
.760		
.775		
.806		
.834	.0754	
.850		
.857		
.865		
.900	.0404	
.905		
.950		
.953		
.965	.0123	

MACH ( 2 ) = 2.201 ALPHA ( 3 ) = 20.400

## SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.5340	.6730	.7800
.8870		
.000	.1947	.2080
.020		
.030		
.040		
.048	.1198	
.050		
.080		
.085		
.086		
.094	.2783	
.130		
.163		
.177		
.229	.4228	



DATE 03 APR 75 TABULATED PRESSURE DATA - 0A228

(RB4L13)

LOWER WING

ARC97-716 0A22 D1

MACH ( 2 ) = 2.201 ALPHA ( 3 ) = 20.400		DEPENDENT VARIABLE CP			
SECTION ( 1 ) LOWER WING					
Y/BW	X/CW	.2990	.3640	.4270	.5340
.246	.3901			.4711	.5265
.250			.4196		.5927
.274					.6080
.362	.3714				
.330	.3697			.4569	.5166
.433			.4189		.5052
.402				.4560	.5072
.497	.3297		.4194		
.590					.4886
.600					
.600				.4770	
.700	.3982			.3755	
.725				.3543	.3691
.750			.3309	.2581	.3373
.760			.2725		
.775				.2145	.2436
.834	.2722				.2562
.850			.2033		
.857			.1427	.1415	.2031
.865	.2444			.1046	.0900
.900	.2209				
.905			.1068		
.950					
.955					
.965	.1450				

MACH ( 2 ) = 2.201 ALPHA ( 4 ) = 27.070		DEPENDENT VARIABLE CP			
SECTION ( 1 ) LOWER WING					
Y/BW	X/CW	.2990	.3640	.4270	.5340
.300	.2196			.4336	.5079
.320			.5534	.6387	.6923
.330					.9200
.340	.1872				
.348			.5948		
.350	.2572			.7824	.8766
.360			.6174	.7477	.9617
.365					
.366	.3669				
.394	.3346				

DATE 09 APR 75

TABULATED PRESSURE DATA - OA228

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(RB4L13)

LOWER WING

MACH ( 2 ) = 2.201 ALPHA ( 4 ) = 27.070  
 SECTION ( 1 ) LOWER WING  
 INDEPENDENT VARIABLE C<sub>p</sub>

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
	.190			.6752	.8115	.8459	.8993
	.163	.5750					
	.177		.5787				
	.229	.4483					
	.246		.5523				
	.253			.6641	.7333	.8053	.8183
	.274		.6053				
	.362	.5360					
	.390		.5576				
	.403			.6628	.7262		.7991
	.432		.6086				
	.497	.5058		.6593	.7034		
	.550		.6133				
	.563						
	.600						
	.653				.6618		.6743
	.700	.5830		.5318	.5499		
	.723					.5265	.5155
	.750		.5022	.4327	.4930		
	.775		.4297				
	.808						
	.834	.4408		.3620	.3829	.4006	
	.850		.3515				
	.857						
	.865	.4018		.3022			.3337
	.900	.3826			.2745		
	.905		.2840				
	.930			.2341		.0000	
	.953		.2471				
	.963	.2872					



DATE 09 APR 75

TASULATED PRESSURE DATA - 04228

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ARC97-716 0422 01

LOWER WING

(RB4L14) ( 10 OCT 75 )

# REFERENCE DATA

XREF = 2.4210 36.171 XREF = 29.5600 INCHES  
 YREF = 36.7090 INCHES YREF = .0000 INCHES  
 ZREF = 36.7090 INCHES ZREF = .0000 INCHES  
 SCALE = .0000 SCALE

# PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000  
 RUDDER = .000 SPDRK = .000

MACH ( 1 ) = 2.231 BETA ( 1 ) = -5.070

SECTION ( 1 ) LOWER WING DEFLECT VARIABLE CP

Y/B4 .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.0034	-.0624	.3709	.9266	.9167	.8654	.9165
.025				.5209	.3258	.5070	.5267
.050		.1276	.4569				
.075			.3585				
.100	.1447		.3709	.3911	.4064	.4198	
.125			.3209				
.150		.1943	.2964				
.175	.1445						
.200		.2579		.2623	.3134	.3354	.3751
.225	.1412		.2218				
.250		.2123		.2468	.2761	.3071	.3361
.275	.1720		.2064				
.300		.1759		.2188	.2523		.3006
.325	.432		.1909				
.350	.497	.1402					
.375			.1914	.2200	.2408		
.400							.2296
.425	.1768				.1427	.2072	
.450			.1101	.11400		.1444	.1567
.475			.0842		.1217		
.500				.0850			
.525	.0823		.0314	.0374	.0596	.0594	
.550							
.575	.0676		.0372				
.600				.0314			.0273
.625							
.650							
.675							
.700							
.725							
.750							
.775							
.800							
.825							
.850							
.875							
.900							
.925							
.950							
.975							
.1000							

(R04L14)

LOWER WING

ARC97-716 0422 01

MACH ( 1 ) = 2.201 BETA ( 1 ) = -5.070

SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

X/CW	Y/BW	Z/CW	CP
.000	.2991	.3640	.4270
.020	.3340	.6733	.7800
.040	.6870		
.060			
.080			
.100			
.120			
.140			
.160			
.180			
.200			
.220			
.240			
.260			
.280			
.300			
.320			
.340			
.360			
.380			
.400			
.420			
.440			
.460			
.480			
.500			
.520			
.540			
.560			
.580			
.600			
.620			
.640			
.660			
.680			
.700			
.720			
.740			
.760			
.780			
.800			
.820			
.840			
.860			
.880			
.900			
.920			
.940			
.960			
.980			
1.000			

MACH ( 1 ) = 2.201 BETA ( 2 ) = .000

SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

X/CW	Y/BW	Z/CW	CP
.000	.2990	.3640	.4270
.020	.3340	.6730	.7800
.040	.6870		
.060			
.080			
.100			
.120			
.140			
.160			
.180			
.200			
.220			
.240			
.260			
.280			
.300			
.320			
.340			
.360			
.380			
.400			
.420			
.440			
.460			
.480			
.500			
.520			
.540			
.560			
.580			
.600			
.620			
.640			
.660			
.680			
.700			
.720			
.740			
.760			
.780			
.800			
.820			
.840			
.860			
.880			
.900			
.920			
.940			
.960			
.980			
1.000			



(R84L14)

DATE 09 APR 75 TABULATED PRESSURE DATA - 04220

LOWER WING

0.37-716 0422 01

MACH ( 1 ) = 2.201 BETA ( 2 ) = .000

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.057			.0228				
.065	.0335						
.070	.0378		-.0119				.0055
.075		-.0192		-.0193			
.080			-.0480		.0000		
.085			-.0460				
.090	-.0134						

MACH ( 1 ) = 2.201 BETA ( 3 ) = 4.980

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.090	-.0205	-.1661	-.0537	.4736	.5480	.5183	.5430
.095				.4151	.4331	.4301	.4238
.100			.2419				
.105		-.0341					
.110			.2244				
.115	.0189			.3033	.3240	.3578	.3437
.120			.2039	.2520			
.125	.0426	.0640					
.130				.1995	.2750	.2824	.2339
.135		.1503					
.140			.1559				
.145	.0846						
.150		.1410					
.155				.1854	.2185	.2455	.2620
.160	.1275		.1551				
.165		.1227					
.170			.1579	.1742	.2042		.2400
.175	.1043						
.180				.1736	.2035		
.185		.1584					.1850
.190						.1732	
.195	.1363			.1335	.1103		
.200						.1141	.1052
.205			.0372				

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OF POOR QUALITY

DATE 08 APR 75 TABULATED PRESSURE DATA - 04220

(RB4L14)

LOWER WING

ARC 97.716 0422 01

MACH (1) = 2.201 BETA (3) = 4.900

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

1/804 .2990 .3640 .4270 .5540 .6730 .7800 .8870

K/CN

.775			.0595	.0934			
.838		.0617					
.874	.0693						
.893			.0200	.0295	.0356		
.897		.0213					
.865	.0372						
.920	.0370		-.0154				-.0012
.905		-.0177	-.0298				
.933			-.0316		.0300		
.953		-.0410					
.965	-.0187						





DATE 09 APR 75

TABULATED PRESSURE DATA - 04228

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ARC97-716 0422 01

LOWER WING

(R84L15) ( 26 JAN 74 )

## REFERENCE DATA

SREF = 2.4210 30. FT. XMRP = 29.5800 INCHES  
 LREF = 38.7090 INCHES YMRP = .0000 INCHES  
 BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0300 SCALE

## PARAMETRIC DATA

MACH = 1.550 ELEVON = .000  
 RUDDER = .000 SPDBRK = .000

ALPHA ( 1 ) = -.130 BETA ( 1 ) = -4.940

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CV	CP
.2930	.3540	.4270
.3340	.6730	.7800
.6870		
.000	.0350	.0341
.4325	.7812	.7457
.6903		.7306
.020		-.1482
-.1560		-.1619
-.0836		
.040		.0282
-.0279		
.048		.0054
.090	-.0370	-.2083
-.1580		-.1706
-.1704		-.2042
.085		-.0093
.086	.0174	
.094	-.0590	
.150		-.1485
-.1524		-.1356
-.1382		
.177	.0751	-.0387
.229	-.0420	
.246		.0082
.250		
.274		-.0765
-.1036		-.1130
-.1108		
.362	.0344	-.0479
.390		-.0419
.400		
.402		-.0367
.497	-.0303	-.0353
-.0736		-.0882
.550		
.565		-.0433
-.0389		
.600		-.0123
.650		
.700	-.0120	-.1017
-.0996		-.1091
.725		
.730		-.1187
-.1591		
.760		-.0838
.775		-.1451
-.1253		
.808		-.1316
.834	-.1117	
.850		
.857		-.2103
-.1891		-.1879
.865	-.1430	-.1803
.900	-.1327	
.935		-.2530
-.2326		
.935		-.2258
-.2432		

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(RB4L13)

LOWER WING

ALPHA ( 1 ) = -.130 BETA ( 1 ) = -4.943

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/ZW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.950

-.3015 .0000

.953

-.2584

.965

-.1723

ALPHA ( 1 ) = -.150 BETA ( 2 ) = .080

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/ZW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.000

.3844 .6929 .6513 .5758 .6191

.020

-.0868 -.1530 -.1776 -.1104

.030

.1313

.040

.0158

.048

.0771

.050

-.0768 -.1496 -.1752 -.1856

.080

-.0708

.085

.0471

.086

.0548

.094

-.0379

.150

.1095

.163

-.0542 -.0974 -.1110 -.1372

.177

-.0098

.229

-.0275

.246

.0413

.250

-.0380 -.0597 -.0698 -.1065

.274

-.0225

.362

.0410

.390

-.0051

.400

-.0134 -.0301 -.0724

.402

-.0032

.497

-.0049

.550

.0025 -.0581

.565

-.0065

.600

-.0631

.650

-.0734

.700

.0084

.723

-.0692

.750

-.0797

.760

-.1034

.775

-.1194

.808

-.0774

.834

-.1117 -.1037

.850

-.1200

.850

-.1748 -.1756 -.1799





(RB4L15)

LOWER WING

ALPHA ( 1 ) = -.170 BETA ( 3 ) = 5.040

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.775				-.1120	-.1059		
.808			-.1124				
.834	-.0810						
.850				-.1736	-.1724	-.1830	
.857			-.1374				
.865	-.1067						
.900	-.1233		-.2163				-.2239
.905			-.2080	-.2414			
.950				-.2586		.0000	
.953			-.2348				
.965	-.1786						

ALPHA ( 2 ) = 10.090 BETA ( 1 ) = -5.070

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0553	-.1692	.3086	.7544	.7649	.7269	.7462
.020				.5107	.5062	.5330	.5569
.030		.1125	.4995				
.040			.4066				
.046				.3885	.4081	.4337	.4669
.050	-.1242			.3309			
.060			.3476				
.065		.2102					
.066							
.094	.1268						
.150		.3136		.2716	.3310	.3644	.4022
.163							
.177			.2497				
.229	.1429						
.246		.2369					
.250				.2586	.2963	.3417	.3471
.274			.2331				
.362	.2228						
.390		.2125					
.400				.2586	.2959		.3082
.402			.2327				
.497	.1643						
.550				.2616	.2963		
.563			.2331				
.600							.2173
.650						.2188	



DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(RB4L15)

LOWER WING

ARC97-716 0422 01

ALPHA ( 2 ) = 10.090 BETA ( 1 ) = -5.070

SECTION ( 1 ) LOWER WING DEFENDENT VARIABLE CP

Y/BW	X/CW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.700	.2105				.1471	.1551		
.725							.1209	.1064
.750				.1176				
.760				.0492	.1050			
.775				.0688				
.808								
.834	.0680							
.850								
.857								
.865	.0339							
.900	.0205							
.905								
.950								
.953								
.965	-.0337							

ALPHA ( 2 ) = 10.090 BETA ( 2 ) = .020

SECTION ( 1 ) LOWER WING DEFENDENT VARIABLE CP

Y/BW	X/CW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.000	-.2060	-.2430	.0675	.5796	.6078	.5616	.5703	
.020				.5084	.5012	.5379	.5430	
.030			.4132					
.040								
.048								
.050	.0315							
.060								
.085								
.086								
.094	.0735							
.150								
.163								
.177								
.229	.1093							
.246								
.250								
.274								
.362	.1705							
.390								
.400								
.402								
.437	.1508							

(RB4L15)

LOWER WING

## TABULATED PRESSURE DATA - 04228

ARC97-716 0422 01

ALPHA ( 2 ) = 10.090 BETA ( 2 ) = .020

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.3340	.6730	.7800
.8870		
.2547	.2753	.2105
.2296		.2166
.1597		
.1400		.1099
.0846		
.1259	.0607	.1055
.0758		
.0023	-.0044	-.0139
-.0107		
-.0567		-.0738
-.1053		
-.1197		.0000
-.0991		
-.0398		

ALPHA ( 2 ) = 10.090 BETA ( 3 ) = 5.010

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CF

Y/BW	X/CW	CF
.2990	.3640	.4270
.3340	.6730	.7800
.8870		
.3627	.4068	.3806
.4607	.4541	.4882
.2709		
.2650		.4219
.3696	.3836	.4377
.3201		
.2497		
.0321		
.2634	.3026	.3315
.3554		
.2209		
.2140		
.0781		
.1783		.2487
.2642		.3061
.3060		
.2153		
.1387		



DATE 03 APR 75 TABULATED PRESSURE DATA - 0A228

(R84L15)

LOWER WING

ARC97-716 0A22 01

ALPHA ( 2 ) = 10.080 BETA ( 3 ) = 5.010

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	.2993	.3640	.4270	.5340	.6730	.7800	.8870
.390	.1803				.2360	.2612		.2698
.400			.2249					
.402								
.497	.1283				.2300	.2375		
.593			.2110					.1753
.565								
.600								
.690							.1865	
.730	.1986					.1317		
.725					.1248			
.750				.1146			.0835	.0484
.760					.0620	.0706		
.775				.0715				
.838								
.834	.0814							
.890					.0145	.0285	.0308	
.857				.0021				
.855	.0801							
.900	.0446			.0709				.0977
.935				.0597		.1130		
.950					.1267			.0000
.953				.0909				
.965	.0354							

ALPHA ( 3 ) = 20.320 BETA ( 1 ) = -5.340

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	.2993	.3640	.4270	.5340	.6730	.7800	.8870
.000	.000							
.020	.020							
.030	.030							
.040	.040							
.048	.048							
.050	.050							
.060	.060							
.065	.065							
.086	.086							
.094	.094							
.100	.100							
.103	.103							
.177	.177							
.229	.229							

==

(RB4L15)

LOWER WING

TABULATED PRESSURE DATA - OA22B

ARC97-716 OA22 O1

ALPHA ( 3 ) = 20.320 BETA ( 1 ) = -5.340

SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CM							
.246		.4825					
.250				.6078	.6840	.7358	.6873
.274			.5520				
.362	.4225						
.390		.5095					
.430				.6138	.6536		.6096
.402			.5583				
.497	.4218			.5635	.5771		
.550			.5318				
.565							.4619
.600							
.650						.4648	
.700	.4961			.3885			
.725						.3099	.2903
.750			.3483	.2822	.3133		
.760			.2793				
.775							
.808							
.834	.2982			.1846	.1863	.1834	
.850			.1841				
.865	.2681						.1070
.900	.2414			.1063	.0506		
.905			.1105			.0000	
.920				.0310			
.953			.0747				
.965	.1279						

ALPHA ( 3 ) = 20.330 BETA ( 2 ) = -.070

SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CM							
.000	-.3956	-.3486	-.3256	.3016	.3414	.2714	.2210
.020				.7139	.7460	.8033	.7575
.030			.4105				
.040		-.0046					
.048			.4611				
.050	.0849			.6788	.7493	.7803	.7937
.060				.6381			
.065			.4919				
.066		.2283					
.094	.1804						





DATE 09 APR 75 TABULATED PRESSURE DATA - C4228

(RB4L15)

LOWER WING

ALPHA ( 3 ) = 20.330 BETA ( 2 ) = -.070

ARC97-715 C422 01

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/BW	.2993	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.150							
.163		.4415		.5834	.6861	.7302	.7199
.177			.4982				
.229	.2697						
.246		.4379		.5647	.6339	.6875	.6277
.250			.5177				
.274							
.362	.3793						
.393		.4661		.5714	.6150		.5635
.430			.5319				
.437	.3807			.5370	.5532		
.503			.5160				
.553							.4189
.603					.3796	.4359	
.650	.4923			.3782			
.700						.3018	.2599
.723			.3509				
.750			.2898				
.773		.2890					
.808	.3215			.1930	.1768	.1713	
.834			.2013				
.850							
.857							
.863	.3014			.1163			.0895
.900	.2660		.1417	.0592			
.935				.0445		.0000	
.950			.1024				
.953							
.965	.1407						

ALPHA ( 3 ) = 20.340 BETA ( 3 ) = 5.250

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/BW	.2993	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.303	-.4355	-.4104	-.3358	-.0146	.1066	.0484	-.0037
.323				.5343	.5971	.6362	.5646
.333			.2394				
.343		-.0734					
.348			.3339				
.350	.0363			.5430	.6346	.6349	.6715

DATE 09 APR 73 TABULATED PRESSURE DATA - 04228

(RB4L13)

LOWER WING

ALPHA (3) = 20.340 BETA (3) = 5.250

ARC97-716 0422 01

SECTION (1) LOWER WING DEFENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW	.000		.5270				
.005			.3823				
.006		.1455					
.094	.1026			.5036	.6048	.6322	.6388
.150		.3560					
.163			.4025				
.177							
.229	.2382						
.246		.3497		.4996	.5699	.6045	.5652
.250			.4426				
.274							
.362	.3308						
.390		.3176		.5240	.5525		.5210
.400			.4811				
.402							
.497	.3371			.4946	.5002		
.550			.4781				
.563							.3868
.600							
.650					.4104		
.700	.4715			.3609			
.725				.3480		.2929	.2439
.750							
.760			.3242	.2842	.2818		
.775			.2732				
.806							
.834	.2867			.1810	.1625	.1512	
.850			.1999				
.857							
.865	.2870			.1162			.0774
.900	.2583		.1369	.0597			
.905							
.930			.0970	.0570		.0000	
.955							
.965	.1216						



ARC 97-716 0422 D1

(RB4L15)

LOWER WING

ALPHA (4) = 26.950 BETA (1) = -5.710

## SECTION (1) LOWER WING

## DEPENDENT VARIABLE CP

Y/BW	.2990	.3540	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.3931	-.3962	-.2831	.3179	.3093	.2044	.1211
.020				.3575	.3842	.9872	.8723
.050			.6209				
.075		.1607					
.100			.6972				
.125	.2599			.9538	1.0230	1.0270	.9941
.150				.3361			
.175			.7588				
.200	.3760	.4327					
.225				.8872	.9631	.9748	.9249
.250		.7227					
.275	.4847		.8379				
.300		.6628					
.325				.8521	.8955	.9096	.8329
.350	.6571		.8382				
.375		.7686					
.400				.8183	.8312		.7543
.425			.7970				
.450	.6952			.7317	.7277		
.475			.7217				
.500							.5861
.525	.7126				.5485	.6120	
.550				.5490			
.575					.4471	.4216	
.600			.4920				
.625				.4326	.4423		
.650		.4177					
.675				.3139	.3027	.3010	
.700	.4513		.3368				
.725							
.750		.4242					.2287
.775	.3984			.2316			
.800			.2652	.1713			
.825				.1533		.0900	
.850			.2398				
.875	.2706						

(RB4L15)

LOWER WING

TABULATED PRESSURE DATA - 04228

ARC97-716 0422 01

ALPHA ( 4 ) = 26.970 BETA ( 2 ) = -.150

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6750	.7800	.8670
X/CW							
.000	-.4665	-.4326	-.3901	.0501	.0604	-.0312	-.1076
.020				.7836	.8152	.8387	.6793
.030			.4560				
.040		.0614					
.050			.5696				
.060	.1476			.8376	.9025	.9012	.8655
.080				.8343			
.095			.6381				
.086		.3272					
.094	.2622			.8119	.8861	.8918	.8415
.150		.6102					
.163			.7255				
.177							
.229	.4200						
.246		.5827					
.250				.7966	.8356	.8444	.7618
.274			.7537				
.362	.5845						
.390		.7152					
.400			.7553				.6399
.432				.7746	.7794		
.497	.6383			.7035	.6891		
.550			.6916				.5444
.565						.5846	
.600					.5218		
.650	.6824			.5194		.4313	.3895
.725							
.750			.4746				
.760			.4186		.4194		
.775							
.808							
.834	.4800			.3123	.2926	.2771	
.850			.3511				
.857							.1997
.865	.4517						
.900	.4103		.2362		.1679		
.905		.2700					.0000
.920			.1732				
.935		.2153					
.965	.2321						



(RB4L13)

LOWER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - C4220

ARC97-716 0422 01

ALPHA ( 4 ) = 27.000 BETA ( 3 ) = 3.510

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

X/CW	Y/CW	CP
.000	-.4576	-.4433
.020	-.4576	-.4433
.030	-.4576	-.4433
.040	-.4576	-.4433
.050	-.4576	-.4433
.060	-.4576	-.4433
.070	-.4576	-.4433
.080	-.4576	-.4433
.090	-.4576	-.4433
.100	-.4576	-.4433
.110	-.4576	-.4433
.120	-.4576	-.4433
.130	-.4576	-.4433
.140	-.4576	-.4433
.150	-.4576	-.4433
.160	-.4576	-.4433
.170	-.4576	-.4433
.180	-.4576	-.4433
.190	-.4576	-.4433
.200	-.4576	-.4433
.210	-.4576	-.4433
.220	-.4576	-.4433
.230	-.4576	-.4433
.240	-.4576	-.4433
.250	-.4576	-.4433
.260	-.4576	-.4433
.270	-.4576	-.4433
.280	-.4576	-.4433
.290	-.4576	-.4433
.300	-.4576	-.4433
.310	-.4576	-.4433
.320	-.4576	-.4433
.330	-.4576	-.4433
.340	-.4576	-.4433
.350	-.4576	-.4433
.360	-.4576	-.4433
.370	-.4576	-.4433
.380	-.4576	-.4433
.390	-.4576	-.4433
.400	-.4576	-.4433
.410	-.4576	-.4433
.420	-.4576	-.4433
.430	-.4576	-.4433
.440	-.4576	-.4433
.450	-.4576	-.4433
.460	-.4576	-.4433
.470	-.4576	-.4433
.480	-.4576	-.4433
.490	-.4576	-.4433
.500	-.4576	-.4433
.510	-.4576	-.4433
.520	-.4576	-.4433
.530	-.4576	-.4433
.540	-.4576	-.4433
.550	-.4576	-.4433
.560	-.4576	-.4433
.570	-.4576	-.4433
.580	-.4576	-.4433
.590	-.4576	-.4433
.600	-.4576	-.4433
.610	-.4576	-.4433
.620	-.4576	-.4433
.630	-.4576	-.4433
.640	-.4576	-.4433
.650	-.4576	-.4433
.660	-.4576	-.4433
.670	-.4576	-.4433
.680	-.4576	-.4433
.690	-.4576	-.4433
.700	-.4576	-.4433
.710	-.4576	-.4433
.720	-.4576	-.4433
.730	-.4576	-.4433
.740	-.4576	-.4433
.750	-.4576	-.4433
.760	-.4576	-.4433
.770	-.4576	-.4433
.780	-.4576	-.4433
.790	-.4576	-.4433
.800	-.4576	-.4433
.810	-.4576	-.4433
.820	-.4576	-.4433
.830	-.4576	-.4433
.840	-.4576	-.4433
.850	-.4576	-.4433
.860	-.4576	-.4433
.870	-.4576	-.4433
.880	-.4576	-.4433
.890	-.4576	-.4433
.900	-.4576	-.4433
.910	-.4576	-.4433
.920	-.4576	-.4433
.930	-.4576	-.4433
.940	-.4576	-.4433
.950	-.4576	-.4433
.960	-.4576	-.4433
.970	-.4576	-.4433
.980	-.4576	-.4433
.990	-.4576	-.4433
1.000	-.4576	-.4433

ORIGINAL PAGE IS  
OF POOR QUALITY

ARC97-716 0422 01

LOWER WING

(RB4L18) ( 28 JAN 74 )

## REFERENCE DATA

REF = 2.4210 36 FT. XREF = 29.5000 INCHES  
 LREF = 30.7090 INCHES YREF = .0000 INCHES  
 BREF = 30.7090 INCHES ZREF = .0000 INCHES  
 SCALE = .0000 SCALE

ALPHA ( 1 ) = -.120 BETA ( 1 ) = -4.900

## PARAMETRIC DATA

MACH = 2.200 ELEVON = .000  
 RUDDER = .000 SPOILER = .000

SECTION ( 1 ) LOWER WING DEFLECT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CM							
.000	.0688	.0573	.4201	.9145	.8596	.8039	.8565
.020			.0010	.0575	.0005	.0563	.1199
.040		-.0260					
.060			-.0168				
.080	-.0006			-.0236	.0290	.0261	.0271
.100				-.0545			
.120				-.0285			
.140		-.0035					
.160	-.0114						
.180			.0210	-.0606	-.0070	.0116	.0213
.200							
.220	-.0254		-.0346				
.240		-.0135					
.260				-.0560	-.0240	.0066	.0176
.280			-.0268				
.300	.0038						
.320		-.0287					
.340			-.0305	-.0385			.0151
.360			.0290				
.380	-.0229						
.400				-.0223	-.0427		
.420			-.0071				
.440							
.460							
.480							
.500							
.520							
.540							
.560							
.580							
.600							
.620							
.640							
.660							
.680							
.700	.0006						
.720							
.740							
.760							
.780							
.800							
.820							
.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
.000							



DATE 09 APR 75 TABULATED PRESSURE DATA - CA22B

(RB4L16)

LOWER WING

ARC97-716 0A27

ALPHA ( 1 ) = -.120 BETA ( 1 ) = -4.980

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .0640 .4270 .5340 .6730 .7800 .8870

X/CW

.951  
.953  
.965  
-0.0945  
-0.1543  
-0.1430  
0.0000

ALPHA ( 1 ) = -.120 BETA ( 2 ) = -4.300

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .0640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 .0649 .0525 .4141 .8888 .8351 .7823 .8296  
.020 .020 .033 .0102  
.040 .048 .048 .0100  
.050 .012 .0279 .0239 .0195 .0221  
.060 .063 .0567  
.065 .0225  
.086 .0013  
.094 .0036  
.150 .0272  
.163 .0272  
.177 .0354  
.229 .0221  
.246 .0088  
.253  
.274 .0298  
.362 .0066  
.390 .0247  
.403  
.402  
.497 .0199  
.550  
.565  
.603  
.633  
.700 .0000  
.725  
.753  
.760  
.775  
.808  
.834  
.853  
-0.0775 -0.0096 .0039 .0172  
-0.0537 -0.0271 .0032 .0136  
-0.0296 -0.0394 .0106  
-0.0230 -0.0429  
-0.0103  
-0.0544  
-0.0531  
-0.0537  
-0.0469  
-0.0712 -0.0791  
-0.0727  
-0.1092 -0.1136 -0.1278  
-0.0141

(RB4L16)

LOWER WING

ARC97-716 Q422 Q1

ALPHA ( 1 ) = -.120 BETA ( 2 ) = -4.300

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

ALPHA ( 1 ) = -.150 BETA ( 3 ) = -.080

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000							
.020							
.050							
.040							
.046							
.050							
.080							
.085							
.086							
.094							
.150							
.163							
.177							
.229							
.246							
.250							
.274							
.362							
.390							
.400							
.402							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							





(RB4L16)

LOWER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - OA22B

ARC37-716 OA22 O1

ALPHA ( 1 ) = -.150 BETA ( 3 ) = -.080

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3540	.4270	.5340	.6730	.7800	.8870
X/CW							
.775				-.0606	-.0643		
.608			-.0688				
.634	-.0526						
.650							
.657			-.0964				
.665	-.0669						
.900	-.0831			-.1280			-.1350
.905			-.1264	-.1170			
.950				-.1523			.0000
.953			-.1457				
.965	-.1070						

ALPHA ( 1 ) = -.180 BETA ( 4 ) = 4.510

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0009	-.0298	.2443	.6260	.5956	.5411	.5795
.020				.0702	.0362	.0107	.0466
.030			.1427				
.040		.0057					
.048			.0861				
.050	.0036			.0156	.0165	-.0036	-.0218
.060				.0050			
.065			.0507				
.086		.0341					
.094	-.0072						
.150			.0750	-.0063	-.0012	-.0088	-.0169
.163							
.177			.0149				
.229	-.0033						
.246		.0341					
.250				-.0026	-.0086	-.0095	-.0125
.274			.0120				
.362	.0284						
.390		.0106					
.400				-.0004	-.0010		-.0107
.402			.0088				
.437	.0038						
.550			.0124	.0025			
.565			.0178				
.600							-.0303
.650							-.0392

DATE 09 APR 75 TABULATED PRESSURE DATA - Q4228

(RB4L16)

LOWER WING

ARC97-716 Q422 01

ALPHA ( 1 ) = -.180 BETA ( 4 ) = 4.510

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.700	.0173			-.0316	-.0436		
.725						-.0558	-.0683
.750							
.760			-.0276				
.775				-.0525	-.0582		
.806				-.0539			
.834	-.0416						
.850				-.0931	-.0974	-.1045	
.857			-.0832				
.865	-.0342						
.900	-.0687		-.1194				-.1288
.905			-.1122		-.1165		
.930				-.1462		.0000	
.953			-.1310				
.965	-.1001						

ALPHA ( 1 ) = -.180 BETA ( 5 ) = 4.970

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0011	-.0312	.2348	.6203	.5909	.5298	.5733
.020				.0769	.0430	.0108	.0465
.030			.1500				
.040		.0026					
.048			.0928				
.050	.0073			.0236	.0226	-.0012	-.0213
.060				.0119			
.065			.0589				
.066		.0315					
.094	-.0038						
.150		.0768		-.0507	.0061	-.0062	-.0130
.163							
.177			.0197				
.229	.0004						
.246		.0361					
.250				.0025	-.0033	-.0071	-.0086
.274			.0153				
.362	.0313						
.390		.0129					
.400				.0045	.0017		-.0079
.492			.0126				
.497	.0097						





DATE 09 APR 75 TABULATED PRESSURE DATA - 0422B

(RB4L16)

LOWER WING

ARC97-716 0422 01

ALPHA ( 2 ) = 10.120 BETA ( 1 ) = -5.810

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW						
.390	.1771					
.400		.2245	.2562			.3100
.402	.1923					
.497	.1449					
.550		.2230	.2478			
.563	.1977					
.600						.2424
.650				.2202		
.700	.1772		.1550			
.725		.1453				
.750						.1715
.760		.1250	.1301			
.775		.0889				
.808	.0461					
.834			.0431	.0615	.0669	
.850		.0389				
.865	.0696					
.900	.0403		.0344			.0308
.905		-.0057	-.0025			
.950					.0000	
.953		-.0332				
.965	.0009					

ALPHA ( 2 ) = 10.110 BETA ( 2 ) = -.760

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW						
.000	-.1098	-.1134	.1867	.7344	.7509	.7044
.020				.4913	.4837	.4776
.030		.3930				
.040		.0536				
.048		.3244				
.050	.0956			.3587	.3668	.3932
.060				.3060		
.065		.2766				
.086		.1484				
.094	.1104					
.150				.2519	.3163	.3178
.163		.2264				.3423
.177		.2093				
.228	.1239					





(R84L16)

LOWER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A228

ARC97-716 0A22 01

ALPHA ( 2 ) = 10.100 BETA ( 3 ) = 4.310

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	.2990	.3540	.4270	.5340	.6730	.7800	.8870
	.150							
	.163							
	.177		.1713					
	.229	.0878		.1684				
	.246		.11509					
	.250							
	.274			.1976	.2274	.2513	.2751	
	.302	.1362		.1681				
	.330		.11365					
	.400			.1826	.2074		.2442	
	.402			.1637				
	.497	.1104						
	.550			.1865	.2034			
	.565			.1662				
	.600							
	.650							.1895
	.700	.1438			.1230	.1754		
	.725			.1146				
	.750					.1172	.1105	
	.760			.1053				
	.775			.0647	.0970			
	.808			.0694				
	.834	.0723						
	.850			.0253	.0344	.0386		
	.857			.0279				
	.865	.0610						
	.900	.0393		.0121	.0275	.0050		
	.905			.0160				
	.930			.0495		.0000		
	.935			.0419				
	.965	.0170						

ALPHA ( 3 ) = 20.390 BETA ( 1 ) = -6.170

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	.2990	.3540	.4270	.5340	.6730	.7800	.8870
	.000	.11359	.11565	.1308	.7992	.8199	.8128	.8207
	.020				.8707	.9386	.9579	.9736
	.030			.6430				
	.040		.2089					
	.048			.5912				
	.050	.2692		.7393	.7951	.8473	.8939	



(RBALL16)

LOWER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

ARC97-716 0422 01

ALPHA ( 31 ) = 20.390 BETA ( 1 ) = -6.170

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2390 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.080	.6624					
.085	.5538					
.086	.3639					
.094	.3012					
.150		.5709	.6935	.7398	.7887	
.163	.5321					
.177	.4853					
.229	.3436					
.246	.4466					
.290		.5340	.6060	.6643	.7089	
.274	.4719					
.362	.4095					
.390	.4221					
.400		.5128	.5771		.6339	
.432	.4638					
.497	.3736					
.550		.5248	.5665			
.563	.4699					
.600					.5391	
.630	.4381			.5318		
.700		.4055	.4273			
.723				.4127	.4016	
.790		.3697				
.760		.2895	.3823			
.775		.3116				
.838						
.834	.3061					
.850		.2487	.2839	.2825		
.857		.2237				
.865	.2746					
.900	.2460					
.935		.1893			.2291	
.930		.1659	.1731			
.953		.1326		.9090		
.965	.1764	.1241				

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DATE 09 APR 75

## TABULATED PRESSURE DATA - OA228

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(RE4L16)

LOWER WING

ARC97-716 OA22 O1

ALPHA ( 3 ) = 20.400 BETA ( 2 ) = -.870

## SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

Y/B	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/C							
.000	-.1925	-.2077	-.0336	.5541	.6301	.5789	.5843
.020				.7443	.7814	.8323	.8336
.030			.4890				
.040		.1241					
.048			.4814				
.050	.1898			.6376	.6996	.7315	.7907
.080				.5801			
.085			.4697				
.086		.2819					
.094	.2397						
.150				.9050	.6101	.6521	.6995
.163		.4318					
.177			.4151				
.229	.3026						
.246		.3949					
.250							
.274			.4273	.4768	.5340	.5951	.6123
.362	.3790						
.390		.3747					
.400				.4636	.5207		.5882
.432			.4246				
.497	.3328			.4702	.5074		
.530			.4236				
.563							
.600							
.630							
.700	.4028				.3657	.4788	.4939
.725				.3600			
.750						.3750	.3640
.760		.3314					
.773		.2766		.2636	.3401		
.808							
.834	.2763						
.850							
.857		.2112		.2197	.2434	.2551	
.865	.2480						
.890	.2257						
.905		.1469		.1651	.1439		.2069
.930				.1088		.0900	
.953		.1103					
.965	.1490						





DATE 30 APR 75 TABULATED PRESSURE DATA - 0A228

(RB4.16)

LOWER WING

ALPHA ( 3 ) = 20.410 BETA ( 3 ) = 4.440

ARC97-716 0A22 31

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.2263	-.2239	-.1502	.3071	.4315	.3704	.3657
.020				.5873	.6503	.5887	.6696
.030			.3332				
.040		.0537					
.048			.3685				
.050	.1069			.3176	.6001	.6285	.6630
.060				.4759			
.065			.3772				
.080		.2369					
.084	.1674						
.100		.3575		.4253	.5393	.5649	.5945
.103							
.117			.3524				
.229	.2547						
.245		.3416		.4143	.4692	.5185	.5331
.253							
.274			.3682				
.362	.3346						
.393		.3233					
.400				.4133	.4621		.5304
.432			.3768				
.437	.3113			.4236	.4517		
.550							
.563			.3838				
.600							
.653						.4237	
.700	.3569			.3437			
.725				.3222		.3328	.3292
.750							
.760			.3359			.2338	
.775				.2573			
.808			.2467				
.834	.2508						
.850				.1980	.2117	.2276	
.857			.1961				
.865	.2321						
.880	.2138			.1482			.1841
.893			.1333		.1138		
.900				.0932		.0000	
.923			.1248				
.953	.1782						

ARC97-716 Q22 O1

(RB4L16)

LOWER WING

$$\text{ALPHA} (4) = 27.060 \quad \text{BETA} (1) = -6.510$$

3015 250711 ) NO11236

PERCENT VARIABLE CP

7/84	.2953	.3640	.4270	.3340	.6730	.7820	.8870
K/C4							
.000	-.11503	-.1963	.0308	.7133	.7712	.6947	.6372
.020				1.0320	1.0730	1.1010	1.1290
.030			.7401				
.040		.2806					
.048			.7337				
.050	.3320			.9334	1.0310	1.0630	1.1100
.060			.7249	.8764			
.065							
.066		.4833					
.094	.4140						
.130				.7839	.9330	.9669	1.0270
.163		.6826					
.177			.6616				
.229	.9110	.6239					
.246							
.250				.7368	.8337	.9092	.9183
.274			.6864				
.352	.9958						
.390		.6200					
.400				.7447	.8000		.8814
.402			.6873				
.497	.9483						
.530				.7396	.7873		
.563			.6782				
.600							.7478
.650						.7344	
.700	.6332			.3941	.6247		
.723							
.750						.5915	.5684
.760		.5321		.4631	.5634		
.773							
.806		.4803					
.834	.4801						
.880							
.897		.3888		.4091	.4384	.4432	
.899	.4393						
.920	.4210						
.903		.3116		.3430	.3104		.3687
.930							
.933		.2624		.2703		.0000	
.963	.3233						

(RB4L16)

LOWER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - 04226

ARC97-716 0422 01

ALPHA ( 4 ) = 27.070 BETA ( 2 ) = -.923

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.730	.8870
X/CW							
.000	-.1990	-.2214	-.1034	.4549	.5269	.4593	.4296
.020				.8541	.9174	.9745	.9327
.030				.5675			
.040		.1933					
.048			.6073				
.050	.2631			.7947	.8914	.9262	.9672
.060				.7506			
.065			.6227				
.066		.3950					
.094	.3365			.6850	.8225	.8562	.9053
.150		.5027					
.163			.5039				
.177	.4542						
.229		.5578		.6693	.7409	.8148	.8271
.246			.6154				
.250							
.274	.5447	.5642					
.352				.6757	.7512		.8039
.390		.6151					
.407			.6171	.6678	.7101		.6841
.432						.6665	
.497	.9130			.5369		.5338	.5231
.553		.5074					
.565			.4500	.4438	.5019		
.600							
.651							
.703	.5917			.3693	.3885	.4038	
.725			.3573				
.753							
.760							
.775							
.806							
.834	.4680						
.850							
.857							
.865	.4387						
.883	.5687			.3376	.2786		.3433
.905		.2886					
.931			.2515	.2501		.0333	
.953							
.965	.2918						



DATE 09 APR 75 TABULATED PRESSURE DATA - C4228

(RB4L17) ( 26 JAN 74 )

ARC97-716 0422 01

LOWER WING

PARAMETRIC DATA

MACH = 1.550 ELEVON = -20.000  
RUDDER = .000 SPOBRK = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
LREF = 38.7090 INCHES YMRP = .0000 INCHES  
BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

ALPHA ( 1 ) = -.150 BETA ( 1 ) = -5.000

SECTION ( 1 ) LOWER WING DEF DEF VARIABLE CF

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CM							
.000	.0334	.0371	.4326	.7831	.7479	.6883	.7779
.020				-.1191	-.1506	-.1622	-.0842
.030			.0210				
.040		-.0288					
.048			-.0006				
.050	-.0353			-.1814	-.1513	-.1698	-.1693
.060				-.1821			
.085			-.0148				
.086		.0102					
.094	-.0604			-.1273	-.1493	-.1358	-.1406
.130		.0759					
.133			-.0427				
.177							
.225	-.0379						
.246		.0052		-.0539	-.1025	-.1102	-.1144
.250							
.274		-.0490					
.362	.0341						
.390		-.0428		-.0365	-.0725		.3878
.400			-.0374				
.402							
.497	-.0336			-.0215	-.0371		-.0875
.550			-.0158				
.565							
.600							
.650							
.700	-.0128			-.0802		-.0735	
.725							
.750							
.760			-.0622				
.775				-.3457	-.4161		
.808			-.4273				
.834	-.1077						
.850				-.3460	-.3693	-.2985	
.857			-.3337				
.865							
.890	-.13909						
.900	-.3555			-.3087			-.3405
.935			-.3161		-.2832		

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DATE 09 APR 75 TABULATED PRESSURE DATA - 0A228

(R84L17)

LOWER WING

ARC97-716 0A22 01

ALPHA ( 1 ) = -.150 BETA ( 1 ) = -.5030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW	.950			-.2454		.0000	
	.953			-.2692			
	.955	-.2934					

ALPHA ( 1 ) = -.160 BETA ( 2 ) = -.060

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW	.000	-.0016	-.0072	.3808	.6924	.6513	.5751
	.020			-.0853	-.1498	-.1811	-.1091
	.030		.0116	.1288			
	.040		.0787	-.0856	-.1495	-.1778	-.1876
	.050	-.0270		-.0750			
	.060		.0513				
	.065		.0513				
	.066						
	.094	-.0392		-.0577	-.1032	-.1189	-.1459
	.150		.1070				
	.163						
	.177		-.0016				
	.229	-.0273					
	.245		.0414				
	.250			-.0394	-.0636	-.0763	-.1098
	.274		-.0150				
	.362	.0416					
	.390	-.0024					
	.400			-.0142	-.0277		-.0763
	.402		-.0022				
	.497	.0103		-.0009	-.0117		
	.550		.0006				
	.600						
	.650						
	.700	.0079					
	.725			-.0720			
	.750						
	.760		-.0655				
	.775						
	.808		-.3461				
	.834		-.4219				
	.850	-.0860					
				-.3117	-.3196	-.3402	



DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(RB4L17)

LOWER WING

ALPHA ( 1 ) = -.160 BETA ( 2 ) = -.060

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X CW							
.857							
.863							
.900							
.902							
.950							
.953							
.963							

ALPHA ( 1 ) = -.190 BETA ( 3 ) = 4.930

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000							
.020							
.030							
.040							
.046							
.050							
.060							
.065							
.085							
.094							
.150							
.163							
.177							
.229							
.246							
.250							
.274							
.362							
.390							
.430							
.432							
.437							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.790							

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TABULATED PRESSURE DATA - 04228

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(R84L17)

LOWER WING

ALPHA ( 1 ) = -.190 BETA ( 3 ) = 4.930

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.775				-.3808	-.4007		
.808			-.4153				
.834	-.0780						
.850							
.857			-.3806	-.4119	-.3487	-.3355	
.865	-.3785						
.900	-.3920			-.3686	-.2985		-.3054
.935			-.3303				
.950				-.3564		.0000	
.953			-.3151				
.965	-.3095						

ALPHA ( 2 ) = 10.070 BETA ( 1 ) = -5.160

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0496	-.1644	.3043	.7523	.7654	.7277	.7470
.020				.5114	.5015	.5292	.5564
.030			.4972				
.040		.1159					
.048			.4029				
.090	.1129			.3854	.4039	.4295	.4611
.080				.3294			
.085			.3463				
.086		.2133					
.094	.1319						
.190		.3176		.2701	.3277	.3608	.3986
.163							
.177			.2307				
.229	.1454						
.246		.2362					
.293				.2581	.2923	.3387	.3395
.274			.2351				
.362	.2250						
.393		.2103					
.400				.2374	.2933		.3030
.402			.2341				
.497	.1745			.2374	.2937		
.553			.2308				
.565							
.603						.2143	.2140
.630							





(RB4117)

LOWER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - OA22B

ARC97-716 OA22 O1

ALPHA ( 2 ) = 10.070 BETA ( 1 ) = -5.160

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW	.700	.2104		.1461	.1487		
.725						-.3230	-.3363
.750							
.760			.1209				
.775				-.3068	-.3264		
.808			-.3437				
.834		.0745					
.850				-.3978	-.3848	-.3597	
.857			-.3920				
.865	-.3245						
.907	-.3397		-.3771				-.3469
.905			-.3767	-.2910			
.950			-.3481			.0300	
.953			-.2347				
.965	-.3067						

ALPHA ( 2 ) = 10.070 BETA ( 2 ) = -.120

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW	.000	-.2043	-.2403	.0800	.5780	.6109	.5691
.020				.5047	.4956	.5312	.5356
.030			.4092				
.040		-.0111					
.048			.3583				
.050	.0529			.3878	.4069	.4298	.4515
.060				.3348			
.065			.3118				
.066		.1211					
.0736							
.130				.2645	.3296	.3511	.3856
.163		.2529					
.177			.2434				
.229	.1118						
.246		.2277					
.250				.2588	.2916	.3265	.3256
.274			.2335				
.362	.1713						
.390		.2075					
.400				.2435	.2873		.2895
.402			.2371				
.495	.1593						

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TABULATED PRESSURE DATA - 0A228

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LOWER WING

(RB4L17)

ALPHA ( 2 ) = 10.070 BETA ( 2 ) = -.20

SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.550	.2419	.2673				
.565	.2219					
.600						.1995
.650					.2098	
.700	.2154			.1430		
.725			.1289			
.750						
.760		.1165				
.775		-.3031	-.3276			
.808		-.3430				
.834	.0844					
.850						
.857		-.3929	-.4011	-.3942	-.3827	
.865	-.3200					
.900	-.3259		-.4084			-.3449
.935		-.3942	-.3289			
.950			-.3959			.0000
.953		-.3354				
.965	-.3275					

ALPHA ( 2 ) = 10.050 BETA ( 3 ) = 4.920

SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.000	-.2386	-.2386	-.1797	.3651	.4176	.3888	.3841
.020				.4624	.4651	.4933	.4884
.030			.2708				
.040		-.1098					
.048			.2642				
.050	-.0280			.3724	.3845	.4135	.4226
.060				.3197			
.065			.2457				
.068		.0480					
.094	.0129						
.150		.2187		-.2600	.3147	.3274	.3558
.163							
.177			.2100				
.229	.0850						
.246		.1844					
.250							
.274				.2490	.2729	.3033	.3030
.302	.1632		.2113				



(RB4L17)

LOWER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422B

ARC97-716 0422 01

ALPHA ( 2 ) = 10.060 BETA ( 3 ) = 4.920

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/BW .2930 .3640 .4270 .5340 .6730 .7830 .8870

X/CW	.1745	.2393	.2629	.2694
.390				
.400				
.402		.2205		
.497	.1302			
.590		.2277	.2578	
.563		.2366		
.603				.1737
.690			.1265	.1875
.700	.1369			
.723		.1233		
.750				
.760		.1110		
.775		.2799	.3298	
.808		.3369		
.34	.0790			
.850			.3909	.4019
.857			.3852	
.863	.3164			
.900	.3144		.4129	.3716
.905		.4074	.3908	
.930		.4019		.0000
.953		.3723		
.965	.3471			

ALPHA ( 3 ) = 20.300 BETA ( 1 ) = -5.360

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/BW .2930 .3640 .4270 .5340 .6730 .7830 .8870

X/CW	.1745	.2393	.2629	.2694
.390				
.400				
.402		.2205		
.497	.1302			
.590		.2277	.2578	
.563		.2366		
.603				.1737
.690			.1265	.1875
.700	.1369			
.723		.1233		
.750				
.760		.1110		
.775		.2799	.3298	
.808		.3369		
.34	.0790			
.850			.3909	.4019
.857			.3852	
.863	.3164			
.900	.3144		.4129	.3716
.905		.4074	.3908	
.930		.4019		.0000
.953		.3723		
.965	.3471			

DATE 09 APR 75 TABULATED PRESSURE DATA - OA228

(RB4L17)

LOWER WING

ASC97-716 OA22 01

ALPHA ( 3 ) = 20.300 BETA ( 1 ) = -5.360

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

V/CW

.246 .4845  
 .250 .6037 .6791 .7316 .6798  
 .274 .5486  
 .362 .4264  
 .393 .5069  
 .403 .6076 .6448 .6042  
 .432 .5569  
 .497 .4264  
 .550 .5578 .5694  
 .565 .5291  
 .600 .5578 .5694  
 .650 .5578 .5694  
 .700 .5578 .5694  
 .725 .5061 .3857 .4596  
 .730 .3809  
 .750 .3471 .-2139 .-2461 .-2475 .-2637  
 .760 .-2470  
 .775 .3471 .-2139 .-2461  
 .806 .3023 .-3223 .-3178 .-3288  
 .834 .-3142  
 .850 .-3142  
 .865 .-2406 .-3535 .-3452 .-3601  
 .900 .-2139 .-3535 .-3452 .-3601  
 .905 .-3535 .-3452 .-3601  
 .930 .-3677 .-3677 .-3677  
 .955 .-3677 .-3677 .-3677  
 .965 .-2235 .-2235 .-2235

ALPHA ( 3 ) = 20.310 BETA ( 2 ) = -.070

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

V/CW

.300 .-14003 .-13499 .-13282 .2967 .3314 .2674 .2176  
 .020 .020 .030 .3936  
 .340 .-0089 .4543  
 .350 .0453 .6740 .7389 .7760 .7908  
 .393 .033 .6362  
 .385 .48.4  
 .386 .2205  
 .394 .1597



(884L17)

DATE 08 APR 75 TABULATED PRESSURE DATA - 0A228

LOWER WING

ARC97-716 0A22-01

ALPHA ( 3 ) = 20.310 BETA ( 2 ) = -.070

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5140	.6730	.7800	.8870
X/CW							
.150					.5790	.6810	.7205
.163		.4353					.7193
.177			.4828				
.229	.2684						
.235		.4053					
.250			.5590	.6362	.6851	.6248	
.274		.5084					
.362	.3804						
.373		.4509					
.400			.5250	.5707	.6087	.5659	
.432							
.497	.3728			.5349	.5432		
.550			.5041				
.573							.4179
.600						.4368	
.653	.4862			.3740			
.700							
.723							
.750			.3432				
.760							
.775							
.806							
.834	.3170						
.850							
.857							
.863							
.890							
.905							
.930							
.953							
.975							

ALPHA ( 3 ) = 20.330 BETA ( 3 ) = 5.360

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.003							
.021							
.030							
.040							
.048							
.053							

ORIGINAL PAGE IS  
OF POOR QUALITY

DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(R54L17)

LOWER WING

ARC9/-716 0422 01

ALPHA ( 3 ) = 20.330 BETA ( 3 ) = 5.350

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/B-4 .2990 .3640 .42.3 .5340 .6730 .7630 .8670

X/CM							
.000			.5185				
.005		.3743					
.008		.1430					
.014	.0953			.4911	.5332	.6223	.6289
.130		.5197					
.163			.3945				
.177	.2387						
.229		.3297					
.246				.4891	.5571	.5363	.5585
.290			.4264				
.274							
.362	.3340						
.390		.3721					
.403			.5135	.5424			.5117
.402			.4686				
.497	.3142			.4878	.4306		
.550			.4673				
.565							.3843
.603					.3581		
.690				.3446			
.700	.4639						
.723							
.730							
.760			.3238				
.775				.1198	.2551		
.808			.2646				
.834	.2847						
.850							
.857			.3068				
.865	.2395			.3127	.3205	.3249	
.900	.2114						
.905				.3434			
.935			.3477		.3423		
.950				.3790		.0030	
.953			.3330				
.965	.2839						





(RB4L17)

LOWER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - 04229

ARC97-716 0422 01

ALPHA ( 4 ) = 26.960 BETA ( 2 ) = -.060

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.4631	-.4414	-.3644	.0459	.0561	-.0335	-.1136
.020				.7714	.6046	.6310	.6582
.030					.4460		
.040		.0521					
.048			.5543				
.050	.1427			.8251	.8323	.8329	.8524
.060				.8234			
.065			.6208				
.066		.3168					
.074	.2534						
.150				.8051	.8803	.8813	.8322
.163		.6027					
.177			.7139				
.229	.4146						
.246		.5706					
.250			.7430	.7864	.8265	.8360	.7536
.274							
.302	.5745	.7036					
.390				.7670	.7717		.6958
.400			.7530				
.432							
.497	.6287			.6933	.6839		
.500			.6851				.5365
.565						.5761	
.600							
.650	.6819			.5031	.5182		
.725						-.2301	-.2216
.750							
.780			.4655				
.775				-.1496	-.2091		
.806			-.2064				
.834	.4335						
.830				-.2560	-.2732	-.2777	
.837			-.2158				
.865	-.1915						
.800	-.1341			-.2940			-.3154
.905			-.3328	-.3384			
.950				-.3354		.0000	
.955			-.2876				
.965	-.2223						





(RB4L17)

LOWER WING

--- OF DATA - 04228

DATE 28 DEC 75

ARC97-716 2A22 01

5.133

BETA (3) = 26.900

DEPENDENT VARIABLE CP

SMITHSONIAN INSTITUTION

[illegible]

Variable	Mean	Standard Deviation	Minimum	Maximum
Age	29.90	1.50	25	35
Gender	1.00	0.00	1	1
Marital Status	1.00	0.00	1	1
Education	12.00	1.00	10	14
Income	1.00	0.00	1	1
Occupation	1.00	0.00	1	1
Religion	1.00	0.00	1	1
Political Affiliation	1.00	0.00	1	1
Health Status	1.00	0.00	1	1
Life Satisfaction	1.00	0.00	1	1
Stress Level	1.00	0.00	1	1
Work-Life Balance	1.00	0.00	1	1
Family Support	1.00	0.00	1	1
Community Involvement	1.00	0.00	1	1
Personal Growth	1.00	0.00	1	1
Financial Stability	1.00	0.00	1	1
Emotional Well-being	1.00	0.00	1	1
Physical Health	1.00	0.00	1	1
Mental Health	1.00	0.00	1	1
Social Support	1.00	0.00	1	1
Life Goals	1.00	0.00	1	1
Work Satisfaction	1.00	0.00	1	1
Family Satisfaction	1.00	0.00	1	1
Community Satisfaction	1.00	0.00	1	1
Personal Satisfaction	1.00	0.00	1	1
Financial Satisfaction	1.00	0.00	1	1
Emotional Satisfaction	1.00	0.00	1	1
Physical Satisfaction	1.00	0.00	1	1
Mental Satisfaction	1.00	0.00	1	1
Social Satisfaction	1.00	0.00	1	1
Life Satisfaction	1.00	0.00	1	1
Work-Life Balance	1.00	0.00	1	1
Family Support	1.00	0.00	1	1
Community Involvement	1.00	0.00	1	1
Personal Growth	1.00	0.00	1	1
Financial Stability	1.00	0.00	1	1
Emotional Well-being	1.00	0.00	1	1
Physical Health	1.00	0.00	1	1
Mental Health	1.00	0.00	1	1
Social Support	1.00	0.00	1	1
Life Goals	1.00	0.00	1	1
Work Satisfaction	1.00	0.00	1	1
Family Satisfaction	1.00	0.00	1	1
Community Satisfaction	1.00	0.00	1	1
Personal Satisfaction	1.00	0.00	1	1
Financial Satisfaction	1.00	0.00	1	1
Emotional Satisfaction	1.00	0.00	1	1
Physical Satisfaction	1.00	0.00	1	1
Mental Satisfaction	1.00	0.00	1	1
Social Satisfaction	1.00	0.00	1	1
Life Satisfaction	1.00	0.00	1	1
Work-Life Balance	1.00	0.00	1	1
Family Support	1.00	0.00	1	1
Community Involvement	1.00	0.00	1	1
Personal Growth	1.00	0.00	1	1
Financial Stability	1.00	0.00	1	1
Emotional Well-being	1.00	0.00	1	1
Physical Health	1.00	0.00	1	1
Mental Health	1.00	0.00	1	1
Social Support	1.00	0.00	1	1
Life Goals	1.00	0.00	1	1
Work Satisfaction	1.00	0.00	1	1
Family Satisfaction	1.00	0.00	1	1
Community Satisfaction	1.00	0.00	1	1
Personal Satisfaction	1.00	0.00	1	1
Financial Satisfaction	1.00	0.00	1	1
Emotional Satisfaction	1.00	0.00	1	1
Physical Satisfaction	1.00	0.00	1	1
Mental Satisfaction	1.00	0.00	1	1
Social Satisfaction	1.00	0.00	1	1
Life Satisfaction	1.00	0.00	1	1
Work-Life Balance	1.00	0.00	1	1
Family Support	1.00	0.00	1	1
Community Involvement	1.00	0.00	1	1
Personal Growth	1.00	0.00	1	1
Financial Stability	1.00	0.00	1	1
Emotional Well-being	1.00	0.00	1	1
Physical Health	1.00	0.00	1	1
Mental Health	1.00	0.00	1	1
Social Support	1.00	0.00	1	1
Life Goals	1.00	0.00	1	1
Work Satisfaction	1.00	0.00	1	

	K/CW	000	000
- .9331	- .4678	- .1793	- .1122
.5053	.6243	.6332	.4835

2343

030  
030

640 . 304

976. 1190

1979

100

249.  
285.  
285.

0761. 966.

1906

.177  
.163  
.613

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

246.  
4930.

.679  
.250

2. 2. 2.

6759.

400

402

1936

6. 555

3. 3.

69.

639.

21



$$\text{ALPHA} (1) = -.140 \quad \text{BETA} (1) = -.5.090$$

SECTION (1) LOWER WING	DEPENDENT VARIABLE CP
1	0.000
2	0.000
3	0.000
4	0.000
5	0.000
6	0.000
7	0.000
8	0.000
9	0.000
10	0.000
11	0.000
12	0.000
13	0.000
14	0.000
15	0.000
16	0.000
17	0.000
18	0.000
19	0.000
20	0.000
21	0.000
22	0.000
23	0.000
24	0.000
25	0.000
26	0.000
27	0.000
28	0.000
29	0.000
30	0.000
31	0.000
32	0.000
33	0.000
34	0.000
35	0.000
36	0.000
37	0.000
38	0.000
39	0.000
40	0.000
41	0.000
42	0.000
43	0.000
44	0.000
45	0.000
46	0.000
47	0.000
48	0.000
49	0.000
50	0.000
51	0.000
52	0.000
53	0.000
54	0.000
55	0.000
56	0.000
57	0.000
58	0.000
59	0.000
60	0.000
61	0.000
62	0.000
63	0.000
64	0.000
65	0.000
66	0.000
67	0.000
68	0.000
69	0.000
70	0.000
71	0.000
72	0.000
73	0.000
74	0.000
75	0.000
76	0.000
77	0.000
78	0.000
79	0.000
80	0.000
81	0.000
82	0.000
83	0.000
84	0.000
85	0.000
86	0.000
87	0.000
88	0.000
89	0.000
90	0.000
91	0.000
92	0.000
93	0.000
94	0.000
95	0.000
96	0.000
97	0.000
98	0.000
99	0.000
100	0.000

Y/84	.2990	.3640	.4270	.5340	.6730	.7800	.8870
------	-------	-------	-------	-------	-------	-------	-------

9.90	- .1815	.0000
9.93	- .1742	
9.95	- .1815	

$$\text{ALPHA} ( 1 ) = -.170 \quad \text{BETA} ( 2 ) = .080$$

SECTION ( 1 ) LOWER WING	DEPENDENT VARIABLE CP
1	0.000
2	0.000
3	0.000
4	0.000
5	0.000
6	0.000
7	0.000
8	0.000
9	0.000
10	0.000
11	0.000
12	0.000
13	0.000
14	0.000
15	0.000
16	0.000
17	0.000
18	0.000
19	0.000
20	0.000
21	0.000
22	0.000
23	0.000
24	0.000
25	0.000
26	0.000
27	0.000
28	0.000
29	0.000
30	0.000
31	0.000
32	0.000
33	0.000
34	0.000
35	0.000
36	0.000
37	0.000
38	0.000
39	0.000
40	0.000
41	0.000
42	0.000
43	0.000
44	0.000
45	0.000
46	0.000
47	0.000
48	0.000
49	0.000
50	0.000
51	0.000
52	0.000
53	0.000
54	0.000
55	0.000
56	0.000
57	0.000
58	0.000
59	0.000
60	0.000
61	0.000
62	0.000
63	0.000
64	0.000
65	0.000
66	0.000
67	0.000
68	0.000
69	0.000
70	0.000
71	0.000
72	0.000
73	0.000
74	0.000
75	0.000
76	0.000
77	0.000
78	0.000
79	0.000
80	0.000
81	0.000
82	0.000
83	0.000
84	0.000
85	0.000
86	0.000
87	0.000
88	0.000
89	0.000
90	0.000
91	0.000
92	0.000
93	0.000
94	0.000
95	0.000
96	0.000
97	0.000
98	0.000
99	0.000
100	0.000

Y/54	.2990	.3640	.4270	.5340	.6730	.7800	.8870
------	-------	-------	-------	-------	-------	-------	-------

$x/C_H$	.000	.0404	.0321	.3396	.7579	.6976	.6463	.7043
	.020				.0508	.0374	.0230	.0788
	.030			.0881				
	.040	.0133						
	.048			.0473				
	.050	.0080			-.0263	.0098	-.0011	-.0033
	.080				-.0484			
	.095			.0170				

[illegible][illegible]

.725	-.0403	-.2131	-.2210
.750			
.760	-.0364	-.2083	
.775			
.800	-.2103		
.834	-.0466		
.850		-.2143	-.2212



DATE 09 APR 75 TABULATED PRESSURE DATA - 04226

(RB4116)

LOWER WING

ARC97-716 0422 01

ALPHA ( 1 ) = -.200 BETA ( 3 ) = 4.870

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2390	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.775				-.1737	-.2020		
.808			-.2011				
.834	-.0392						
.850				-.2163	-.2102	-.2110	
.857			-.2096				
.865	-.1849						
.900	-.2037		-.2139				-.2256
.905			-.1916	-.1519			
.950			-.2099		.0000		
.953			-.1820				
.965	-.1944						

ALPHA ( 2 ) = 10.100 BETA ( 1 ) = -4.980

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0106	-.0900	.3474	.9156	.9017	.8508	.9063
.020				.5222	.5277	.5027	.5285
.030		.1225	.4374				
.040							
.048			.3608				
.050	.1455			.3736	.3909	.4039	.4188
.080				.3240			
.085			.2990				
.086		.1938					
.094	.1455						
.150		.7580		.2614	.3112	.3314	.3762
.163							
.177			.2276				
.229	.1428						
.246		.2124					
.250				.2390	.2748	.3110	.3350
.274			.2079				
.362	.1759	.1735					
.390							
.400				.2162	.2506		.3022
.402			.1909				
.497	.1472			.2174	.2396		
.550							
.565			.1960				.2334
.600							
.650						.2145	

(R84L18)

LOWER WING

DATE 09 APR 73

ARC97-716 0422 01

ALPHA ( 2 ) = 10.100      BETA ( 1 ) = -4.980

SECTION ( 1) LOWER WING	DEPENDENT VARIABLE CP
1	0.000
2	0.000
3	0.000
4	0.000
5	0.000
6	0.000
7	0.000
8	0.000
9	0.000
10	0.000
11	0.000
12	0.000
13	0.000
14	0.000
15	0.000
16	0.000
17	0.000
18	0.000
19	0.000
20	0.000
21	0.000
22	0.000
23	0.000
24	0.000
25	0.000
26	0.000
27	0.000
28	0.000
29	0.000
30	0.000
31	0.000
32	0.000
33	0.000
34	0.000
35	0.000
36	0.000
37	0.000
38	0.000
39	0.000
40	0.000
41	0.000
42	0.000
43	0.000
44	0.000
45	0.000
46	0.000
47	0.000
48	0.000
49	0.000
50	0.000
51	0.000
52	0.000
53	0.000
54	0.000
55	0.000
56	0.000
57	0.000
58	0.000
59	0.000
60	0.000
61	0.000
62	0.000
63	0.000
64	0.000
65	0.000
66	0.000
67	0.000
68	0.000
69	0.000
70	0.000
71	0.000
72	0.000
73	0.000
74	0.000
75	0.000
76	0.000
77	0.000
78	0.000
79	0.000
80	0.000
81	0.000
82	0.000
83	0.000
84	0.000
85	0.000
86	0.000
87	0.000
88	0.000
89	0.000
90	0.000
91	0.000
92	0.000
93	0.000
94	0.000
95	0.000
96	0.000
97	0.000
98	0.000
99	0.000
100	0.000

[illegible]
$$\text{ALPHA} (2) = 10.100 \quad \text{BETA} (2) = .110$$

SECTION ( LOWER WING

$\pi/\theta$	$\chi/\chi_d$	.2990	.3640	.4275	.5340	.6750	.7800	.8870
.000								
.020	-.1257	-.1197		.1609	.6953	.7253	.6781	.7149
.030				.3697	.4800	.4873	.4705	.4818
.040		.0451						
.048				.3076				
.050	.0837				.3487	.3649	.3687	.3911
.060				.2664	.2947			
.085								
.086		.1359						
.094	.1013							
.130			.2152		.2407	.3002	.3125	.3400
.163				.2033				
.177		.1169						
.229			.1897					
.246								
.250					.2215	.2546	.2818	.3068
.274		.1591		.1956				
.362			.1621					
.390					.2565	.2230		.2774
.400				.1839				
.402								
.497	.1316							

(RB4L10)

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A228

LOWER WING

ARC97-716 0A22 01

ALPHA ( 2 ) = 10.100 BETA ( 2 ) = .110

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CM							
.590				.2060	.2217		
.565		.1846					.2148
.600						.1971	
.630					.1323		
.700	.1643			.1280			
.725							
.750							
.760		.1147					
.775							
.806							
.834	.0760						
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

ALPHA ( 2 ) = 10.080 BETA ( 3 ) = 4.830

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CM							
.030							
.020							
.070							
.040							
.046							
.050							
.080							
.085							
.086							
.094							
.150							
.163							
.177							
.229							
.246							
.250							
.274							
.352							

(R84L18)

LOWER WING

ALPHA ( 2 ) = 10.080 BETA ( 3 ) = 4.830

SECTION ( 1 ) LOWER WING		DEPENDENT VARIABLE CP	
Y/BW	X/CW		
.2990	.3640	.4270	.5340 .6730 .7800 .8870
	.1331		
		.1780	.2065 .2421
		.1612	
	.1116		
		.1817	.2023
		.1629	
			.1867
	.1439		.1720
		.1098	.1230
			.1012
		.1139	.1313
		.1563	
	.0776		
		.2015	.2016 .1995
		.1894	
	.1416		
	.1642	.2207	.1550 .2140
		.2097	
		.2182	.2000
		.2033	
	.1858		

ALPHA ( 3 ) = 20.380 BETA ( 1 ) = -6.020

SECTION ( 1 ) LOWER WING		DEPENDENT VARIABLE CP	
Y/BW	X/CW		
.2990	.3640	.4270	.5340 .6730 .7800 .8870
	.1347	.1416	.7976 .8345 .8034 .8094
		.6423	.8694 .9082 .9577 .9734
	.2107	.5932	
	.2707	.7401	.7910 .8413 .8879
		.6588	
		.5523	
	.3819		
	.3023	.5692	.6093 .7358 .7841
	.130	.5060	
	.163	.4813	
	.177		
	.229		







(R84L18)

LOWER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

ARC97-716 0422 01

ALPHA ( 3 ) = 20.390 BETA ( 2 ) = .150

SECTION ( 1 ) LOWER WING DEFENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
U/CW							
.130							
.163		.4056		.4864	.5974	.6318	.6752
.177			.4067				
.229	.2942						
.246		.3631		.4569	.5144	.5823	.5917
.290			.4106				
.274							
.362	.3646						
.390		.3654		.4505	.5038		.5768
.400			.4106				
.402							
.497	.3316			.4611	.4986		
.550			.4131				
.565							.4864
.600							
.650					.4659		
.700	.3918			.3749			
.725				.3488			
.750			.3238				
.760							
.775							
.806							
.834	.2735						
.850							
.857							
.865							
.900							
.905							
.930							
.935							
.965							

ALPHA ( 3 ) = 20.400 BETA ( 3 ) = 4.910

SECTION ( 1 ) LOWER WING DEFENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
U/CW							
.000							
.020							
.030							
.040							
.048							
.050							



(RB4L18)

LOWER WING

TABULATED PRESSURE DATA - 0A228

ARC97-716 JAZZ 01

$$\text{CMA} (3) = 20.430 \quad \text{BETA} (3) = 4.910$$

DEPENDENT VARIABLE CP

1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100

0.00	.4586			
.005	.3673			
.006	.1985			
.094	.1615			
.150				
.163	.3438			
.177	.3416			
.229	.2415			
.246	.3310			
.250				
.274	.3597			
.362	.3249			
.390	.3168			
.403				
.432	.3665			
.497	.3003			
.550				
.565	.3763			
.600				
.650				
.700	.3497			
.725				
.750				
.760				
.775	.3002			
.806	-.0936			
.834	.2553			
.890				
.897	-.1321			
.865	-.0766			
.900	-.0956			
.905				
.950				
.953				
.965	-.1505			

(084L10)

LOWER WING

ALPHA (4) = 27.030		BETA (1) = -5.120		ARC97-716 0422 01	
SECTION (1) LOWER WING		DEPENDENT VARIABLE CP			
V/OW					
X/CW					
.000	-.1658	-.2040	.0038	.6343	.7166
.020				.9909	1.0410
.030			.7393		1.1270
.040		.2662			1.0750
.050			.7115		
.060	.3345			.9051	.9990
.070				.8481	1.0660
.080			.7381		
.090		.4674			
.100	.3982			.7676	.9121
.110		.6617			.9445
.120			.6582		.9911
.130	.4990				
.140		.6113			
.150				.7410	.8130
.160		.6670			.8864
.170	.5834				.8911
.180		.6094			
.190				.7360	.7890
.200			.6763		.8602
.210	.5458				
.220				.7217	.7692
.230		.6685			
.240					.7229
.250	.6417			.5769	.7178
.260					.6056
.270		.5382			.0297
.280			.0194		.0181
.290					
.300					
.310					
.320					
.330					
.340					
.350					
.360					
.370					
.380					
.390					
.400					
.410					
.420					
.430					
.440					
.450					
.460					
.470					
.480					
.490					
.500					
.510					
.520					
.530					
.540					
.550					
.560					
.570					
.580					
.590					
.600					
.610					
.620					
.630					
.640					
.650					
.660					
.670					
.680					
.690					
.700					
.710					
.720					
.730					
.740					
.750					
.760					
.770					
.780					
.790					
.800					
.810					
.820					
.830					
.840					
.850					
.860					
.870					
.880					
.890					
.900					
.910					
.920					
.930					
.940					
.950					
.960					
.970					
.980					
.990					
1.000					

(RB418)

LOWER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

ARC37-716 0422 01

ALPHA ( 1 ) = 27.070 BETA ( 2 ) = .090

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/LW							
.000	-.2039	-.2320	-.1192	.4028	.4723	.4252	.3925
.020				.6086	.6785	.9438	.8900
.030			.5322				
.040		.1780					
.048			.5746				
.050	.2521			.7574	.8574	.9014	.9386
.060				.7253			
.065			.5962				
.086		.3789					
.094	.3285						
.130				.6741	.7992	.8329	.8805
.163		.5735					
.177			.5668				
.229	.4404						
.246		.5425					
.250				.6598	.7246	.7948	.8049
.274			.5946				
.362	.5351						
.390		.5474					
.400				.6526	.7172		.7985
.432			.6043				
.497	.9006						
.530				.6538	.6953		
.563			.6051				
.600						.6560	.6698
.650							
.700	.5769				.5489		
.725				.5290			
.730			.4954			.0125	-.05007
.760				.0269	-.0027		
.775			-.0237				
.815							
.834	.4379						
.850				-.0757	-.0706	-.0664	
.897			-.0743				
.865	-.0117						
.900	-.0186			-.1069			-.0927
.935			-.1097		-.1011		
.950				-.1321			.0000
.955			-.1308				
.965	-.0689						

(RB418)

LOWER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

ARC97-716 0422 01

ALPHA ( 4 ) = 27.090 BETA ( 3 ) = 5.110

SECTION 1 ( 1 ) LOWER WING

DEFLECTOR VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7830	.8870
X/CW							
.000	-.2299	-.2414	-.1724	.1775	.2769	.2312	.1922
.020				.6417	.7184	.7561	.7100
.030			.3944				
.040		.1167					
.048			.4757				
.050	.1682		.6271	.7207	.7544	.7973	
.080			.6099				
.085			.5062				
.086		.3145					
.094	.2482			.5823	.5953	.7249	.7605
.150							
.163		.4992					
.177			.5006				
.229	.3848						
.246		.4894		.5799	.6415	.7022	.7105
.290			.5389				
.274							
.362	.4938						
.390		.4889		.5883	.6383		.7053
.400							
.402			.5520				
.497	.4680			.5927	.6235		
.550			.5564				.6058
.565						.5030	
.600							
.650	.5537			.4958			
.700				.4768		-.0056	-.0153
.725							
.750			.4576				
.760				.0223	-.0180		
.775			-.0404				
.808							
.834	.4108			-.0823	-.0836	-.0763	
.850			-.0792				
.857							
.865	-.0836			-.1108			-.1028
.900	-.0272				-.1086		
.905			-.1122			.0000	
.950				-.1401			
.955			-.1315				
.965	-.0988						



(RB4005) ( 10 OCT 73 )

UPPER WING

PARAMETRIC DATA

ALPHA = 27.000 ELEVON = .000  
RUDDER = .000 SPOBRK = .000

DATE 20 APR 73 TABULATED PRESSURE DATA - 04220

ARC97-716 0422 01

REFERENCE DATA

SPRT = 2.4210 30. FT. XMRP = 29.5000 INCHES  
LREF = 30.7090 INCHES YMRP = .0000 INCHES  
BREF = 30.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = 2.001 BETA ( 1 ) = -5.390

DEPENDENT VARIABLE CP

SECTION ( 1 ) UPPER WING

V/BW .2990 .3640 .4270 .5340 .6730 .7800 .9070

V/CW

.000	-.1632	-.2007	.0014	.6610	.7251	.6505	.6107
.020				-.0549	.0369	-.0050	-.0456
.025		-.1772	-.1694				
.040			-.1826				
.045				-.1525	-.1161	-.1112	-.1315
.090	-.1803			-.2012			
.095			-.1968				
.096		-.1689					
.094	-.1936			-.2334	-.2111	-.2002	-.2301
.150		.0000					
.163			-.2233				
.177							
.193		-.1801					
.229	-.2096			-.1663	-.2470	-.2376	-.2336
.250			-.2320				
.274		-.2132					
.339				-.2509	-.2401		-.2519
.362	-.2137						
.400			-.2473				
.432							
.497	.0000			-.2544	-.2436		
.550			.0001				-.2512
.565							
.600							
.630							
.700	-.2272			-.2420	-.0375		
.725							-.2597
.790			-.2335				
.790				-.2465	-.2065		
.775			-.2388				
.830							
.834	-.2145			-.2335	-.2244	-.2295	
.890			-.1844				
.857							
.865	-.2337						-.2390
.900	-.2172			-.2323			
.935			-.2303				-.2217

DATE 08 APR 75 TABULATED PRESSURE DATA - 04228

(RB4003) UPPER WING

MACH ( 1 ) = 2.201 BETA ( 1 ) = -5.350

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW .950 .953 .965 .2168 .2307

MACH ( 1 ) = 2.201 BETA ( 2 ) = -5.000

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW .000 -.1681 -.2023 -.0038 .6396 .7068 .6359 .5951

.020 .023 .040 .045 .050 .060 .065 .066

.094 .130 .177 .193 .229 .250 .274 .339

.362 .400 .402 .437 .550 .565 .600 .630

.700 .725 .750 .760 .775 .806 .834 .850

-.1724 -.1807 -.1834 -.1980 -.1220 -.1157 -.1366

-.2005 -.2038 -.2038 -.2246 -.2337 -.2391 -.2355

-.2529 -.2492 -.2531 -.2481 -.2450 -.2425 -.2425

-.2450 -.2472 -.2280 -.2421 -.2334 -.2489 -.2083

-.2330 -.2267 -.2303





DATE 09 APR 75 TABULATED PRESSURE DATA - OA228

(R84003)

UPPER WING

ARC97-716 OA22 01

MACH ( 1 ) = 2.201 BETA ( 2 ) = -5.000

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.837 -.1841  
 .865 -.2330  
 .900 -.2210  
 .905 -.2027  
 .950 -.2231  
 .953 -.2312  
 .965 -.1951  
 .965 -.2008

MACH ( 1 ) = 2.201 BETA ( 3 ) = -.230

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 -.1997 -.2234 -.1126 .4163 .4875 .4364 .4065  
 .020 .020 -.1470 -.0166 -.0952 -.1232  
 .025 -.2086  
 .040 -.2133  
 .045 -.2191  
 .050 -.2109  
 .060 -.2106  
 .065 -.2345  
 .085 -.2199  
 .086 -.2132  
 .094 -.2315  
 .150 .0000  
 .163 -.2443  
 .177 -.2206  
 .193 -.2465  
 .229 -.1895  
 .250 -.2606  
 .274 -.2517  
 .339 -.2480  
 .362 -.2428  
 .400 -.2568  
 .402 -.2634  
 .497 .0000  
 .530 -.2615  
 .565 .0000  
 .600 -.2626  
 .630 -.2580  
 .700 -.2544  
 .725 -.2544  
 .750 -.2426  
 .760 -.2292

(RBAUD5)

UPPER WING

ARC97-716 0422 01

MACH ( 1 ) = 2.201 BETA ( 3 ) = -.230

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.775				-.2536	-.2222		
.808			-.2368				
.834	-.2485			-.2517	-.2419	-.2433	
.850			-.1333				
.857							
.865	-.2482			-.2509			-.2552
.900	-.2386		-.2299	-.2427			
.905				-.2480	-.2443		
.950			-.2260				
.953							
.965	-.2357						

MACH ( 1 ) = 2.201 BETA ( 4 ) = 5.040

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3540	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.2073	-.2288	-.1781	.1832	.2727	.2330	.1926
.020				-.1982	-.1093	-.1659	-.1822
.025			-.2472				
.040		-.2343					
.045			-.2536				
.050	-.2259			-.2450	-.2235	-.2240	-.1969
.060				-.2445			
.085			-.2531				
.086		-.2544					
.094	-.2482			-.2394	-.2479	-.2435	-.2447
.130			.0000				
.163				-.2529			
.177			-.2409				
.193							
.229	-.2681			-.1854	-.2484	-.2435	-.2449
.250				-.2524			
.274		-.2524					
.339	-.2649			-.2493	-.2472		-.2471
.362				-.2524			
.400							
.402							
.497	.0000						
.550				-.2530	-.2435		
.565							
.600							-.2498
.650							-.2492



ARC97-71E OA22 DI

UPPER WING

(RB4UD5)

$$\text{WACH} (1) = 2.201 \quad \text{BETA} (4) = 5.040$$

SECTION (1) UPPER WING

DEPENDENT VARIABLE CP

Y/BW	.2993	.3640	.4270	.5340	.6730	.7800	.8870
------	-------	-------	-------	-------	-------	-------	-------

**MDRX**

700	-2188
725	
750	
760	
775	
808	
834	-2185
850	
857	
865	-2303
900	-2239
905	
930	
935	
965	-2362

- .0659

-2459

**-.2334    -.2398**

- .2454 - .2158

- .2281

-1931

-2162

-2324

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DATE 09 APR 75 TABULATED PRESSURE DATA - 04220

(RB4U10) ( 10 OCT 75 )

UPPER WING

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000  
RUDDER = 10.000 SPOBRK = .000

REFERENCE DATA

REF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
LREF = 30.7090 INCHES YMRP = .0000 INCHES  
BREF = 30.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = 1.550 BETA ( 1 ) = -9.990

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

X/C	Y/BW	.2990	.3540	.4270	.5340	.6750	.7800	.8870
.000	-.2409	-.1499	.1262	.7044	.7095	.6344	.5883	
.020				-.1370	.0181	-.1154	-.1905	
.025			-.1763					
.040		-.1304						
.045			-.1995					
.050	-.1907			-.2706	-.2478	-.2580	-.3123	
.060				-.3445				
.085			-.2282					
.086		-.1094						
.094	-.1962			-.3368	-.4040	-.3949	-.4154	
.130		.0000						
.163				-.2732				
.177		-.1437						
.193								
.229	-.2133			-.4257	-.4495	-.4360	-.4311	
.230			-.3141					
.274		-.2658						
.339	-.1819			-.4691	-.4381		-.4334	
.362			-.3620					
.400				-.4786	-.4351			
.402			.0000					
.497	.0000							
.520								
.565								
.600								
.650								
.700	-.3781			-.4470				
.725				-.2080				
.750				-.4878				
.760		-.3760					-.4043	-.4424
.775				-.4739	-.4010			
.808		-.3178						
.834	-.2732							
.850				-.4586	-.4201	-.4139		
.857		-.2438						
.865	-.2448							
.900	-.1783			-.4494				-.4691
.905		-.2872					-.4033	





DATE 09 APR 79 TABULATED PRESSURE DATA - 0A22B

(R84U10)

UPPER WING

ARC97-716 0A22 01

MACH ( 1 ) = 1.550 BETA ( 2 ) = -5.070

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7900 .8870

X/CW

.857	-.3322					
.865	-.3207					
.900	-.2837	-.4522				-.4973
.903		-.3461	-.4610			
.950		-.4586				-.4727
.953		-.3438				
.965	-.2166					

MACH ( 1 ) = 1.550 BETA ( 3 ) = .200

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7900 .8870

X/CW

.000	-.3965	-.3462	-.3335	.2860	.3265	.2602	.2114
.020				-.3747	-.2326	-.3311	-.3726
.025			-.3185				
.040		-.3451					
.045			-.3421				
.050	-.3641			-.4500	-.4160	-.4210	-.4322
.060				-.4795			
.065			-.3418				
.086		-.3241					
.094	-.4103			-.4719	-.5008	-.4925	-.5158
.150			.0000				
.163							
.177			-.3997				
.193		-.3637					
.229	-.3968			-.4334	-.5011	-.4988	-.5115
.250			-.4233				
.274		-.4157					
.339							
.362	-.4070			-.5226	-.4994		-.5111
.400			-.4560				
.402							
.437	.0000			-.5226	-.4984		
.550			.0000				
.565							-.5131
.600							
.650						-.4968	
.703	-.4612			-.2276			
.725			-.4882				
.750				-.4755			-.5001
.760			-.3367				



DATE 09 APR 75 TABULATED PRESSURE DATA - OM22B

(R84U10)

UPPER WING

ARC97-716 OM22 01

MACH ( 1 ) =	1.550	BETA ( 3 ) =	.200	DEPENDENT VARIABLE CP				
SECTION ( 1 ) UPPER WING								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	
X/CW								
.775								
.808								
.834								
.850								
.857								
.865								
.900								
.905								
.930								
.933								
.965								

MACH ( 1 ) =	1.550	BETA ( 4 ) =	5.010	DEPENDENT VARIABLE CP				
SECTION ( 1 ) UPPER WING								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	
X/CW								
.000	-.4378	-.4078	-.3997	.0026	.1032	.0504	-.0117	
.020				-.4413	-.3467	-.4253	-.4519	
.025		-.4137	-.4085					
.040								
.045			-.4150	-.5001	-.4872	-.4937	-.4611	
.050	-.4211		-.4931					
.060			-.4140					
.085								
.086		-.3908						
.094	-.4516							
.190		.0000		-.4317	-.5140	-.5255	-.5177	
.163			-.4669					
.177		-.4339						
.193								
.220	-.4606			-.4558	-.5143	-.5249	-.5144	
.250								
.274			-.4702					
.339		-.4767						
.362	-.4461			-.5372	-.5143		-.5177	
.400								
.402			-.4702					
.497	.0000							
.550				-.5415	-.5094			
.565			.0000					
.600							-.5177	
.650						-.5226		

(RB4U10)

UPPER WING

ARC97-716 0422 01

MACH ( 1 ) = 1.550 BETA ( 4 ) = 5.010

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
X/CW							
.700	-.4325			-.2167			
.725			-.5074				
.750					-.4996	-.4941	
.760		-.3892					
.775			-.4992	-.4747			
.808		-.3915					
.834	-.2951						
.850			-.4919	-.4934	-.5019		
.857		-.3808					
.865	-.3369						
.900	-.3295		-.5057			-.4918	
.915		-.4076	-.4672				
.930			-.5195		-.4920		
.953		-.4060					
.965	-.3191						

MACH ( 1 ) = 1.550 BETA ( 5 ) = 9.980

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CF

Y/BW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
X/CW							
.000	-.4916	-.4364	-.4280	-.2340	-.1287	-.0754	-.1572
.020				-.4944	-.4406	-.4573	-.4828
.025			-.4520				
.040		-.4460					
.045			-.4584				
.090	-.4450			-.4993	-.5266	-.5160	-.4628
.095				-.4993			
.095		-.4584					
.095	-.4534						
.094	-.4586						
.190				-.4914	-.5202	-.5083	-.5195
.163		.0500					
.177			-.4661				
.193		-.4420					
.229	-.4894						
.250				-.4383	-.5212	-.5083	-.5178
.274			-.4644				
.339		-.4681					
.362	-.4367						
.400				-.5250	-.5209		-.5206
.402			-.4829				
.497	.0300						





(RB4U10)

UPPER WING

TABLETATED PRESSURE DATA - 04228

ARC97-716 OA22 01

$\text{MACH} (1) = 1.550$   $\text{BETA} (5) = 9.983$

SECTION / UPPER WING

V/FE	.2990	.1640	.4270	.5340	.6730	.7800	.8870
------	-------	-------	-------	-------	-------	-------	-------

[illegible]
$$\text{MAOH} \quad (2) = 2.201 \quad \text{BETA} \quad (1) = -10.173$$

SECTION / NUMBER WING

DEPENDENT VARIABLE OF

Year	1990	1991	1992	1993	1994
Y/84	.2990	.3640	.4270	.5340	.6730
					.7800
					.8870

0.000	-0.0437	-0.0969	.3390	1.0000	1.0270	.9675	.9896
.025				.1792	.3549	.2559	.2302
.025			-.0551				
.040							
.045			-.0370				
.050				-.1016			
.055		-.0658		.0377	.0345	.0844	.0585
.060				-.0853			
.065							
.066				-.1206			
.066		-.0262					
.074		-.0771					
.100				-.1713	-.1258	-.0327	-.0751
.103			.0000				
.170							
.193			-.1846				
.193		-.0345					
.229		-.1078					
.253							
.274				-.1804	-.1316	-.1716	-.1472
.338			-.2150				
		-.1255					



(RB4U10)

DATE 08 APR 75 TABULATED PRESSURE DATA - 04228

UPPER WING

ARC37-T16 0422 01

MACH ( 2 ) = 2.201 BETA ( 2 ) = -5.050

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

V/OW .2990 .3640 .4270 .5340 .6750 .7800 .8870

W/CW	.229	-.1896				
.250			-.1685	-.2237	-.2076	-.1900
.274			-.2220			
.339		-.1871				
.362	-.1710					
.400			-.2556	-.2557		-.2359
.432			-.2354			
.497	.0000					
.590			-.2609	-.2505		
.565			.0000			
.600						
.650					-.2463	-.2434
.700	-.2162			-.1011		
.725				-.2541		
.790					-.2346	-.2488
.760			-.2240			
.775				-.2534	-.2108	
.834	-.1906					
.850				-.2456	-.2247	-.2350
.857			-.1914			
.865	-.1974			-.2107		-.2444
.900	-.1915		-.1962	-.2173		
.905				-.1855		-.2306
.950			-.1810			
.965	-.1546					

MACH ( 2 ) = 2.201 BETA ( 3 ) = .060

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

V/OW .2990 .3640 .4270 .5340 .6750 .7800 .8870

W/CW	.000	-.1989	-.2133	-.0654	.5079	.5697	.5425	.5430
.320					-.0455	.0725	-.0042	-.0255
.325				-.1796				
.340			-.1990					
.345				-.1631				
.350	-.2020			-.1725	-.1231	-.1061	-.1177	
.380				-.2037				
.385				-.1886				
.386		-.1951						
.394	-.2141							

(R94U10)

UPPER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

ARC97-716 0422 01

MACH ( 2 ) = 2.201 BETA ( 3 ) = .060

DEPENDENT VARIABLE CP

SECTION ( 1 ) UPPER WING

V/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.150 -.2406 -.2157 -.1998 -.1952

.163 .0000

.177 -.2281

.193 -.2114

.229 -.2300

.253 -.1919 -.2513 -.2309 -.2279

.274 -.2359

.339 -.2350

.362 -.2356

.400 -.2645 -.2625 -.2573

.432 -.2507

.497 .0000

.590 -.2716 -.2577

.665 .0000

.690 -.2590

.693 -.2387

.703 -.1501

.725 -.2604

.750 -.2436 -.2600

.760 -.2322

.775 -.2601 -.2233

.806 -.2350

.834 -.2411 -.2301 -.2470

.857 -.1923

.865 -.2319

.890 -.2360

.903 -.2362

.905 -.2264

.930 -.2273

.933 -.2445

.965 -.2230

.965 -.2005

MACH ( 2 ) = 2.201 BETA ( 4 ) = 5.070

DEPENDENT VARIABLE CP

SECTION ( 1 ) UPPER WING

V/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.000 -.2337 -.2331 -.1619 .2785 .3780 .3411 .3393

.320

.025 -.1603 -.0415 -.1023 -.1145

.043 -.2199

.045 -.2250

.050 -.2260

.055 -.2245

.060 -.1857

.065 -.1766

.070 -.1656



(RB4U10)

UPPER WING

DATE 09 APR 73 TABULATED PRESSURE DATA - J4220

ARC37-716 J422 01

MA 24 ( 2 ) = 2.201 BETA ( 4 ) = 5.070

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP  
Y/BW .2090 .3640 .4270 .5340 .6730 .7000 .8070

X/CW						
.000						
.005						
.006						
.009						
.010						
.013						
.017						
.019						
.020						
.024						
.030						
.032						
.033						
.035						
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(R84U10)

UPPER WING

ARC97-715 0422 01

MACH ( 2 ) = 2.201 BETA ( 3 ) = 10.180

## SECTION ( 1 ) UPPER WING

## DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7803	.8870
X/CW							
.000	-.2464	-.2332	-.2088	.0486	.1632	.1442	.1422
.020				-.2229	-.1402	-.1788	-.1859
.025			-.2345				
.040		-.2282					
.045			-.2399				
.050	-.2476			-.2589	-.2332	-.2319	-.1962
.080				-.2589			
.085			-.2399				
.096		-.2457					
.094	-.2483						
.130			.0000	-.2526	-.2693	-.2673	-.2634
.163							
.177			-.2573				
.193		-.2365					
.229	-.2606						
.250				-.1937	-.2696	-.2732	-.2743
.274		-.2578					
.339	-.2499						
.362				-.2695	-.2696		-.2728
.400							
.402			-.2617				
.497	.0000						
.590				-.2753	-.2652		
.565			.0000				-.2719
.600							
.630							
.700	-.2349				-.2712		
.725				-.2658	-.1124		
.730						-.2610	-.2600
.760			-.2287				
.775				-.2734	-.2439		
.808			-.2290				
.834	-.2296						
.850				-.2622	-.2601	-.2619	
.857			-.1920				
.865	-.2352						
.900	-.2395			-.2536			-.2626
.905			-.2237	-.2554			
.950				-.2422		-.2583	
.955			-.1981				
.965	-.2154						



DATE 09 APR 75 TABULATED PRESSURE DATA - Q4223

(RB4011) ( 10 OCT 73 )

UPPER WING

ARC97-716 Q422 01

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = .000  
RUDDER = -10.000 SPOBRK = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
LREF = 38.7090 INCHES YMRP = .0000 INCHES  
BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0300 SCALE

MACH ( 1 ) = 1.550 BETA ( 1 ) = -9.990

DEPENDENT VARIABLE CP

SECTION ( 1 ) UPPER WING

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.2426	-.1534	.1264	.7063	.7159	.6378	.5954
.020				-.1411	.0180	-.1162	-.1885
.025			-.1739				
.040		-.1327					
.045			-.2016				
.050	-.1921			-.2723	-.2176	-.2589	-.3063
.063				-.3539			
.085			-.2153				
.086		-.1100					
.094	-.2034			-.4412	-.4008	-.3978	-.4114
.150							
.163		.0000					
.177			-.2708				
.193		-.1471					
.229	-.2198						
.250				-.4086	-.4461	-.4355	-.4254
.274			-.3153				
.339		-.2658					
.362	-.1861			-.4539	-.4360		-.4301
.403			-.3658				
.402		.0000					
.497				-.4641	-.4323		-.4471
.550							
.565		.0000					
.600							
.650							
.700	-.3822			-.4729	-.1995		-.4496
.725							
.750			-.3748				-.4052
.760				-.4597	-.3978		
.775			-.3146				
.808							
.834	-.2751			-.4413	-.4162		-.4146
.850							
.857			-.2450				
.865	-.2468						
.900	-.1668			-.4301			-.4631
.935			-.2303				-.3968





(RB4011)

UPPER WING

DATE 03 APR 75 TABULATED PRESSURE DATA - 04228

ARC97-716 0422 01

MACH ( 1 ) = 1.550 BETA ( 2 ) = -5.080

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.837 -.3351  
 .865 -.3280  
 .900 -.2984  
 .905 -.3519  
 .950 -.4653  
 .953 -.3509  
 .965 -.2316

MACH ( 1 ) = 1.550 BETA ( 3 ) = .180

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 -.4060 -.3373 -.3371 .2802 .3269 .2569 .2102  
 .020 .025 .025 .025 .025 .025 .025 .025  
 .040 .045 .045 .045 .045 .045 .045 .045  
 .050 .050 .050 .050 .050 .050 .050 .050  
 .060 .060 .060 .060 .060 .060 .060 .060  
 .085 .085 .085 .085 .085 .085 .085 .085  
 .094 .094 .094 .094 .094 .094 .094 .094  
 .150 .150 .150 .150 .150 .150 .150 .150  
 .163 .163 .163 .163 .163 .163 .163 .163  
 .177 .177 .177 .177 .177 .177 .177 .177  
 .193 .193 .193 .193 .193 .193 .193 .193  
 .229 .229 .229 .229 .229 .229 .229 .229  
 .250 .250 .250 .250 .250 .250 .250 .250  
 .274 .274 .274 .274 .274 .274 .274 .274  
 .339 .339 .339 .339 .339 .339 .339 .339  
 .362 .362 .362 .362 .362 .362 .362 .362  
 .400 .400 .400 .400 .400 .400 .400 .400  
 .432 .432 .432 .432 .432 .432 .432 .432  
 .497 .497 .497 .497 .497 .497 .497 .497  
 .553 .553 .553 .553 .553 .553 .553 .553  
 .565 .565 .565 .565 .565 .565 .565 .565  
 .600 .600 .600 .600 .600 .600 .600 .600  
 .650 .650 .650 .650 .650 .650 .650 .650  
 .725 .725 .725 .725 .725 .725 .725 .725  
 .753 .753 .753 .753 .753 .753 .753 .753  
 .760 .760 .760 .760 .760 .760 .760 .760

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ARC97-716 0422 01

UPPER WING

(RB4U11)

MACH ( 1 ) = 1.550 BETA ( 3 ) = .180

SECTION ( 1 ) UPPER WING DEFENDENT VARIABLE CP  
Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.775  
.808  
.834  
.850  
.857  
.865  
.900  
.905  
.950  
.953  
.965  
-.4887  
-.4566  
-.4074  
-.4740  
-.4825  
-.4860  
-.3817  
-.4825  
-.4746  
-.5028  
-.4884  
-.4831  
-.3996  
-.3025

MACH ( 1 ) = 1.550 BETA ( 4 ) = 5.000

SECTION ( 1 ) UPPER WING DEFENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000  
.020  
.025  
.040  
.045  
.050  
.060  
.065  
.086  
.094  
.150  
.163  
.177  
.193  
.229  
.250  
.274  
.339  
.362  
.400  
.452  
.497  
.550  
.565  
.600  
.650  
-.4583  
-.4109  
-.3962  
-.0110  
-.1226  
-.0600  
-.0549  
-.4601  
-.3404  
-.4151  
-.4433  
-.4042  
-.4107  
-.4133  
-.5010  
-.4701  
-.4871  
-.4529  
-.5013  
-.4120  
-.3881  
-.4536  
-.0000  
-.4662  
-.4313  
-.4613  
-.4484  
-.5103  
-.5198  
-.5078  
-.4687  
-.4723  
-.4494  
-.5294  
-.5103  
-.5117  
-.4852  
-.5301  
-.5064  
-.0000  
-.5110  
-.5136





DATE 09 APR 75 TABULATED PRESSURE DATA - 0A228

(RB4U11)

UPPER WING

MACM ( 1 ) = 1.550 BETA ( 5 ) = 9.970

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.550				-.5408	-.5124		
.565			.0000				-.5150
.600							
.650							
.700	-.3755				-.2105		
.725							
.750							
.760							
.775							
.808							
.834	-.2864						
.850							
.857							
.865	-.2919						
.900	-.3717						
.905							
.930							
.933							
.963	-.3068						

MACM ( 2 ) = 2.201 BETA ( 1 ) = -10.180

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0515	-.0927	.3311	.9940	1.0220	.9598	.9853
.020				.1678	.3407	.2528	.2281
.025							
.040							
.045							
.050							
.060							
.085							
.086							
.094	-.0750						
.150							
.163							
.177							
.193							
.229	-.1069						
.250							
.274							
.339							



DATE 09 APR 75

TABULATED PRESSURE DATA - C422B

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(RB4011)

UPPER WING

MACH ( 2 ) = 2.201 BETA ( 1 ) = -10.180

SECTION ( 1 ) UPPER WING

DEPENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.362	-.0789						
.400				-.2532	-.2362		-.2062
.432			-.2151				
.497	.0000						
.550				-.2524	-.2379		
.565			.0000				
.600							
.650						-.2320	-.2183
.700	-.1750				-.0889		
.725				-.2414			
.750						-.2444	-.2208
.760			-.1961				
.775				-.2387	-.2043		
.808			-.1946				
.834	-.1580						
.850				-.2305	-.2188	-.2270	
.857			-.1571				
.865	-.1556						
.900	-.1494			-.2205			-.2225
.905			-.1557		-.2036		
.950				-.1983		-.2103	
.955			-.1133				
.965	-.0757						

MACH ( 2 ) = 2.201 BETA ( 2 ) = -5.060

SECTION ( 1 ) UPPER WING

DEPENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.1520	-.1704	.0832	.7556	.8144	.7597	.7758
.020				.0298	.2043	.1214	.0969
.025			-.1314				
.040		-.1469					
.045			-.1449				
.050	-.1469			-.0921	-.0084	-.0149	-.0347
.060				-.1593			
.065			-.1668				
.086		-.1336					
.094	-.1613						
.150				-.2182	-.1689	-.1483	-.1392
.163			.0000				
.177			-.2090				
.195		-.1405					

ARC97-716 0422 01

UPPER WING

(RB4U11)

MACH ( 2 ) = 2.201 BETA ( 2 ) = -5.080

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.229	-1.922						
.250				-1.1852	-2.2228	-2.2058	-1.9203
.274			-2.2247				
.339		-1.1897					
.362	-1.1689						
.403				-2.2548	-2.2533		-2.2369
.402			-2.2338				
.497	.0000						
.550				-2.2602	-2.2495		
.563			.0000				
.603							
.650							-2.2453
.700	-2.2192			-2.2530		-1.1034	-2.2442
.723							
.750			-2.2277			-2.2323	-2.2468
.760				-2.2518	-2.2094		
.775			-2.2358				
.808							
.834	-1.1930			-2.2454	-2.2230	-2.2326	
.850			-1.1903				
.857							
.865	-1.1991			-2.2105			-2.2369
.900	-1.1935		-1.1971	-2.2159			
.905							
.930				-1.1840			-2.2276
.933			-1.1834				
.965	-1.1579						

MACH ( 2 ) = 2.201 BETA ( 3 ) = .050

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-2.2017	-2.2142	-2.0790	.5083	.5892	.5461	.5397
.023				-0.0898	.0677	-0.0013	-0.0240
.029			-1.1831				
.040		-2.2013					
.045			-1.1831				
.390	-2.2034			-1.1731	-1.1047	-1.1058	-1.1166
.040				-2.2131			
.085			-2.2037				
.046							
.094	-2.2164						



(RB4U11)

UPPER WING

DATE 30 APR 75 TABULATED PRESSURE DATA - 0422B

ARC97-716 0422-01

MACH ( 2 ) = 2.201 BETA ( 3 ) = .050

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2993 .3640 .4270 .5340 .6730 .7000 .8070

X/CW .190 .165 .177 .193 .229 .250 .274 .339 .362 .400 .402 .497 .550 .565 .600 .650 .700 .725 .750 .761 .775 .806 .834 .850 .857 .865 .900 .905 .950 .953 .965

-.2476 -.2143 -.1995 -.1940

-.2317

-.2111

-.1903 -.2515 -.2369 -.2284

-.2406

-.2315

-.2649 -.2631 -.2584

-.2536

.0000

-.2721 -.2584

.0000

-.2613

-.2606

-.2625

-.2490 -.2584

-.2423

-.2659 -.2239

-.2420

-.2425 -.2394 -.2470

-.1890

-.2544

-.2319

-.2370

-.2246

-.2240

-.2436

MACH ( 2 ) = 2.201 BETA ( 4 ) = 5.060

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2993 .3640 .4270 .5340 .6730 .7000 .8070

X/CW .000 .2329 .2336 .1717 .2776 .3750 .3419 .3377

.323 .025 .025 .2174

-.2267

-.2262

-.2234

-.1737

-.1775

-.1679

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(RB4U11)

UPPER WING

TABULATED PRESSURE DATA - Q4228

ARC97-716 Q422 01

MACH (2) = 2.201 BETA (4) = 5.060

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2993 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000						
.045						
.086						
.094						
.130						
.163						
.177						
.193						
.229						
.230						
.274						
.339						
.362						
.403						
.402						
.497						
.550						
.565						
.600						
.650						
.720						
.725						
.750						
.760						
.775						
.808						
.834						
.850						
.857						
.865						
.900						
.905						
.950						
.955						
.965						

-.2536

-.2255

-.2351

-.2428

.0000

-.2315

-.2336

-.2599

-.2596

-.2437

.0000

.550

.565

.600

.650

.720

.725

.750

.760

.775

.808

.834

.850

.857

.865

.900

.905

.950

.955

.965

-.2614

-.2448

-.2379

-.2379

-.2379

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(RB4011)

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422B

ARC 37-716 0422 01

UPPER WING

MACH ( 2 ) = 2.201 BETA ( 3 ) = 10.170

SECTION ( 1 ) UPPER WING DEFICIENT VARIABLE CP

Y/CM	.2000	.3640	.4270	.5340	.6730	.7600	.8870
.000	-.2493	-.2336	-.2125	.0493	.1624	.1436	.1404
.020				-.2232	-.1402	-.1783	-.1837
.025			-.2313				
.040		-.2291					
.045			-.2386				
.053	-.2498			-.2608	-.2284	-.2318	.1969
.060				-.2696			
.065			-.2379				
.086		-.2482					
.094	-.2482			-.2635	-.2684	-.2673	-.2674
.153		.0000					
.163			-.2601				
.177		-.2386					
.193							
.229	-.2623			-.1968	-.2696	-.2734	-.2777
.250			-.2618				
.274		-.2601					
.339	-.2501						
.352				-.2713	-.2694		-.2765
.430			-.2660				
.432							
.497	.0000			-.2775	-.2650		-.2753
.550			.0330			-.2722	
.565					-.1151		
.600				-.2698		-.2616	-.2620
.650	-.2333						
.700							
.725			-.2335				
.750				-.2765	-.2444		
.760			-.2360				
.808							
.834	-.2340			-.2679	-.2601	-.2628	
.850			-.1326				
.857							
.865	-.2350			-.2571			-.2647
.900	-.2426			-.2559			
.935			-.2283	-.2435		-.2377	
.950							
.953			-.2374				
.965	-.2173						



(R04U12)

UPPER WING

DATE 08 APR 75 TABULATED PRESSURE DATA - 04228

ARC37-716 0422 01

MACH (1) = 1.553 ALPHA (1) = -1.143

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

V/BW .2990 .3640 .4270 .5340 .6730 .7600 .8870

M/CW  
.950  
.933  
.965 .0490  
.0713  
.0870  
-.2758

MACH (1) = 1.553 ALPHA (2) = 10.090

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

V/BW .2990 .3640 .4270 .5340 .6730 .7600 .8870

M/CW  
.000  
-.2134  
.020  
.025  
.043  
.045  
.050  
.060  
.065  
.086  
.094  
.150  
.163  
.177  
.193  
.229  
.250  
.274  
.339  
.362  
.430  
.432  
.497  
.550  
.565  
.600  
.653  
.700  
.725  
.753  
.763  
.775  
.808  
.834  
950

-.2473  
-.0515  
-.5599  
-.5979  
-.5594  
-.5676  
-.0831  
-.0604  
-.0524  
-.2160  
-.2539  
-.2539  
-.2286  
-.1434  
-.1454  
-.1787  
-.3158  
-.2951  
-.2026  
-.2372  
.0000  
-.3762  
-.2903  
-.4315  
-.4380  
-.4147  
-.3501  
-.3935  
-.3333  
-.1659  
-.4534  
-.3806  
-.4098  
-.4630  
-.4702  
-.0000  
-.4630  
-.4114  
-.1390  
-.4171  
-.3767  
-.3735  
-.2369  
-.4183  
-.3832  
-.2140  
-.3771  
-.3329  
-.2826

(RB4U12)

UPPER WING

MACH ( 1 ) = 1.550 ALPHA ( 2 ) = 10.090  
ARC97-716 0A22 01

## SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.857			-.2332				
.865	-.1030						
.900	-.0576			-.3401			-.3898
.903			-.2149		-.3678		
.950				-.3234		-.3698	
.953			-.1800				
.965	-.0226						

MACH ( 1 ) = 1.550 ALPHA ( 3 ) = 20.330

## SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.900	-.4041	-.3499	-.3362	.2835	.3255	.2493	.2304
.920				-.3795	-.2392	-.3374	-.3771
.925			-.3180				
.940		-.3499					
.945			-.3358				
.950	-.3694			-.4527	-.4091	-.4257	-.4306
.980				-.4883			
.985			-.3351				
.996		-.3248					
.994	-.4127						
.150				-.4852	-.5036	-.4978	-.5154
.163		.0000					
.177			-.4042				
.193		-.3322					
.229	-.4004						
.250				-.4415	-.5084	-.5040	-.5133
.274			-.4286				
.339		-.4152					
.362	-.4021						
.400			-.5325	-.5077			-.5133
.497	.0000		-.4682				
.550				-.5338	-.5063		
.565			.0000				
.600							
.650							-.5150
.700	-.4849				-.2330	-.5023	
.725				-.4975			
.750						-.4795	-.5019
.760			-.4042				



DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(RB4U12)

UPPER WING

MACH ( 1 ) = 1.550 ALPHA ( 3 ) = 20.330  
ARC37-716 0422 01

SECTION ( 1 ) UPPER WING	DEPENDENT VARIABLE CP
Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870	
X/CW	
.775	-.4930 -.4614
.808	-.4077
.834	-.3002
.850	
.857	-.4806 -.4863 -.4861
.865	-.3758
.900	-.3179
.905	-.3251
.933	-.4882
.953	-.3925 -.4787 -.5047
.965	-.4948
	-.3956
	-.4829
	-.2961

MACH ( 1 ) = 1.550 ALPHA ( 4 ) = 26.970

SECTION ( 1 ) UPPER WING	DEPENDENT VARIABLE CP
Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870	
X/CW	
.000	-.4720 -.4361 -.4015 .0316 .0427 -.0424 -.1225
.020	
.025	-.4515 -.3864 -.4583 -.4699
.040	-.4144
.045	-.4306
.050	-.4245
.080	-.4753 -.4857 -.4756 -.4395
.085	-.4726
.086	-.4452
.094	-.4140
.150	-.4660
.163	.0000
.177	-.4766
.193	-.4431
.229	-.4807
.250	
.274	-.4198 -.4782 -.4753 -.4812
.339	-.4986
.362	-.4942
.400	-.4445
.432	
.437	-.4829 -.4782 -.4836
.550	-.5101
.565	
.600	-.4877 -.4755
.650	.0000
	-.4934
	-.4841

DATE 09 APR 75 TABULATED PRESSURE DATA - OA228

(RB4U12)

UPPER WING

ARC97-716 OA22 O1

MACH ( 1 ) = 1.350 ALPHA ( 4 ) = 26.970

SECTION ( 1 ) UPPER WING		DEPENDENT VARIABLE CP	
Y/BW	X/CW		
.2990	.3640	.4270	.5340 .6730 .7800 .8870
.700	-.4844		-.2127
.725		-.4866	
.750			-.4614 -.4680
.760		-.4296	
.775		-.4765	-.4374
.806		-.4540	
.834	-.4099		
.850		-.4666	-.4588 -.4634
.857		-.4288	
.865	-.3740		
.900	-.3062	-.4446	-.4676
.905		-.4006	-.4595
.930		-.4099	-.4597
.933		-.3382	
.965	-.2706		

MACH ( 2 ) = 2.201 ALPHA ( 1 ) = -.140

SECTION ( 1 ) UPPER WING		DEPENDENT VARIABLE CP	
Y/BW	X/CW		
.2990	.3640	.4270	.5340 .6730 .7800 .8870
.000	.0423	.3424	.7820 .7187 .6574 .7126
.020		.5246	.5356 .5125 .5185
.025		.2677	
.040	.0468		
.045		.2082	
.050	.0413	.3294	.3417 .3409 .3425
.060		.1935	
.065		.1115	
.066	.0783		
.094	.0189		
.150		.0000	
.163		.0102	.0377 .1006 .1370
.177		-.0125	
.193	.0378		
.229	-.0589		
.230		-.0802	-.0500 -.0235 .0093
.274		-.0545	
.339	-.0649		
.362	.0102		
.400		-.1333	-.1385 -.1139
.402		-.1334	
.497	.0000		



DATE 08 APR 75 TABULATED PRESSURE DATA - OA228

(RBAU12)

UPPER WING

ARC97-716 OA22 Q1

MACH ( 2 ) = 2.201 ALPHA ( 1 ) = -.140

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2980	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.550				-.1820	-.1712		
.565			.0000				-.1636
.600							
.650							
.700	-.0964				-.1040	-.1670	
.725				-.1858			
.750							
.760							
.775				-.1222	-.1681	-.1644	
.808				-.0639			
.834	-.0324						
.850				-.1334	-.1634	-.1665	
.857				-.0385			
.865	.0122						
.900	.0474			-.0951			-.1576
.905				-.0256	-.1438		
.950				-.0636		-.1474	
.953				-.0087			
.965	.0737						

MACH ( 2 ) = 2.201 ALPHA ( 2 ) = 10.110

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2980	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.1134	-.1137	.1828	.7312	.7441	.6991	.7385
.020				.1651	.3087	.2706	.2698
.025			-.0348				
.040		-.1020					
.045			-.0731				
.050	-.1270			-.0193	.1018	.1138	.0990
.060				-.0647			
.065			-.0921				
.066		-.0778					
.094	-.1372						
.150		.0000		-.1612	-.1041	-.0729	-.0494
.163							
.177							
.193		-.0931					
.229	-.1643						
.250				-.1798	-.1773	-.1345	-.1322
.274							
.339		-.1608		-.1930			



DATE 09 APR 75 TABULATED PRESSURE DATA - 0422B

(R84U12)

UPPER WING

ARC97-716 0422 01

MACH ( 2 ) = 2.201 ALPHA ( 2 ) = 10.110

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.362	-.0299			-.2598	-.2283		-.2055
.400			-.2180				
.402							
.497	.0000			-.2684	-.2477		
.520			.0000				
.505							
.600							
.650							
.700	-.1962					-.2320	-.2226
.725			-.2573		-.1381		
.750							
.760			-.2050			-.2433	-.2324
.775				-.2545	-.2336		
.808			-.2002				
.834	-.1843			-.2449	-.2500	-.2463	
.850			-.1659				
.857							
.865	-.1786			-.2277			-.2191
.900	-.1677		-.1786	-.2188			
.905				-.2078		-.2360	
.950			-.1579				
.953							
.965	-.1201						

MACH ( 2 ) = 2.201 ALPHA ( 3 ) = 20.400

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.1365	-.2078	-.0611	.5423	.6159	.5672	.5719
.020				-.0761	.0845	.0126	-.0078
.025			-.1815				
.040		-.1969					
.045			-.1830				
.050	-.2007			-.1651	-.0942	-.0946	-.1077
.080				-.2034			
.085			-.1972				
.086		-.1929					
.094	-.2048			-.2458	-.2092	-.1913	-.1878
.150			.0000				
.163							
.177			-.2293				
.193		-.2024					





(884U12)

UPPER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

ARC97-716 0422 01

MACH ( 2 ) = 2.201 ALPHA ( 3 ) = 20.400

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW						
.229	-.2251		-.2009	-.2484	-.2320	-.2247
.250			-.2385			
.274						
.339		-.2268				
.362	-.2221					
.402			-.2760	-.2632		-.2579
.497	.0000		-.2514			
.553			-.2839	-.2587		
.605			.0000			
.600						-.2606
.650					-.2551	
.700	-.2340			-.1062		
.725			-.2758		-.2389	-.2601
.750						
.760			-.2414	-.2745	-.2159	
.775			-.2335			
.806						
.834	-.2194			-.2529	-.2367	-.2409
.850						
.857			-.1901			
.865	-.2229					-.2552
.900	-.2135			-.2460	-.2344	
.905			-.2250			
.950			-.2375		-.2389	
.955			-.2218			
.965	-.1969					

MACH ( 2 ) = 2.201 ALPHA ( 4 ) = 27.070

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW						
.250	-.2017	-.2182	-.1090	.4360	.5037	.4485
.274				-.1423	-.0103	-.0897
.325			-.2061			
.340		-.2118				
.345			-.2162			
.350	-.2197		-.2077	-.1621	-.1708	-.1741
.383				-.2381		
.385			-.2155			
.386						
.394	-.2270		-.2148			

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(R04U12)

UPPER WING

TERMINATED PRESSURE DATA - OA228

ARC97-716 JAZZ 01

DATE 03 APR 73

ALPHA ( 4 ) = 27.079

DEPENDENT VARIABLE CP

Y/Cu	11/84	3640	4270	5340	6730	7800	8870
.190	.2990						
.163		.0000		-.2539	-.2303	-.2313	-.2427
.177		-.2435					
.193		-.2222					
.229	-.2421			-.1922	-.2598	-.2562	-.2606
.250			-.2507				
.274		-.2473					
.339							
.362	-.2371			-.2610	-.2580		-.2654
.400		-.2624					
.402				-.2658	-.2540		
.437	.0000		.0000				-.2664
.590							
.565							
.600							
.653							
.700	-.2411			-.2600		-.2423	-.2616
.725				-.3650			
.750			-.2306	-.2575	-.2163		
.775			-.2371				
.808							
.834	-.2440			-.2550	-.2410	-.2433	
.850			-.1926				
.857							
.865	-.2502			-.2540			-.2603
.903	-.2354						
.905			-.2302	-.2418			
.930			-.2518			-.2430	
.953			-.2252				
.965	-.2285						

(884013) (08 OCT 73)

UPPER WING

PARAMETRIC DATA

BETA = .000 ELEVON = .000  
RUDDER = .000 SPOBRK = 65.000

TABULATED PRESSURE DATA - 0A22B

ARC97-716 0A22 01

REFERENCE DATA

SREF = 2.4210 30. FT. XMRP = 29.5800 INCHES  
LREF = 30.7090 INCHES YMRP = .0000 INCHES  
BREF = 30.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

MACH (1) = 1.550 ALPHA (1) = -.130

SECTION (1) UPPER WING DEPENDENT VARIABLE C<sub>F</sub>

Y/BW	X/CW	DEP. VAR. C <sub>F</sub>
.000	-.0069	.3758
.020		.6893
.025		.6389
.040	.0235	.5739
.045		.4678
.050	.2028	.4412
.055		.4330
.060	-.0237	.2607
.065		.2503
.080		.2336
.085	.1300	.2484
.086		.1161
.094	.0814	
.100	-.0627	
.105		-.0526
.110	.0000	-.0762
.115		-.0077
.117	.0631	.0234
.119		
.123	-.0316	
.129		-.1727
.130		-.2070
.134	-.1220	-.1590
.139		-.1390
.142	-.1099	
.153		
.162	.0539	
.163		-.2753
.165		-.3108
.166	-.2206	-.2955
.170		
.174	.0000	
.175		-.2943
.176		-.3513
.177	.0000	
.180		
.183		-.3246
.185		-.3208
.186		
.189	-.1499	
.190		-.1635
.193		-.2344
.195		-.3474
.196		-.3515
.197		
.199		
.200		
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(RB4U13)

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A228

UPPER WING

APC97-716 0A22 01

MACH ( 1 ) = 1.550 ALPHA ( 3 ) = 20.350

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.775					-.4899	-.4601		
.808				-.4114				
.834		-.3030						
.850					-.4726	-.4838	-.4838	
.857				-.3828				
.865		-.3215						-.5067
.903		-.3287			-.4809			
.905				-.3950	-.4764			
.930					-.4879	-.4818		
.953				-.3954				
.965		-.3001						

MACH ( 1 ) = 1.550 ALPHA ( 4 ) = 27.000

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.000		-.4688	-.4327	-.3991	.0266	.0512	-.0440	-.1175
.020					-.4581	-.3853	-.4553	-.4589
.025				-.4092				
.040			-.4272					
.045				-.4233				
.050		-.4809			-.4623	-.4733	-.4662	-.4362
.060				-.4226	-.4614			
.085			-.4105					
.086		-.4829			-.4548	-.4697	-.4655	-.4756
.094								
.150			.0000					
.163				-.4710				
.177			-.4403					
.193					-.4197	-.4687	-.4662	-.4716
.229		-.4778						
.230				-.4938				
.274								
.339			-.4899					
.362		-.4605			-.4773	-.4687		-.4739
.400				-.4961				
.432								
.497		.0000						
.553					-.4806	-.4671		
.563				.0000				
.600								-.4851
.630								-.4753



(RB4U13)

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422B

UPPER WING

MACON ( 1 ) = 1.550 ALPHA ( 4 ) = 27.000  
ARC97-716 0422 01

SECTION ( 1 ) UPPER WING	DEPENDENT VARIABLE CP
V/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870	
X/CM	
.700	-.4623
.725	
.750	-.2101
.760	-.4819
.775	-.4275
.806	-.4721
.834	-.4316
.850	-.4537
.857	
.865	-.4592
.900	-.4490
.905	-.4530
.920	-.4345
.935	-.4500
.950	-.3654
.955	-.3396
.965	-.4514
.975	-.3348
.985	-.2745

MACON ( 2 ) = 2.201 ALPHA ( 1 ) = -.130

SECTION ( 1 ) UPPER WING	DEPENDENT VARIABLE CP
V/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870	
X/CM	
.700	.0437
.725	.0441
.750	.3443
.760	.7810
.775	.7222
.806	.6615
.834	.7176
.850	.5245
.857	.5357
.865	.5147
.900	.5238
.905	
.920	.2667
.935	
.950	.1908
.955	.3339
.965	.3421
.975	.3416
.985	.3410
.990	
.995	.1932
.999	
.000	
.005	.0160
.010	.0585
.015	.1015
.020	.1562
.025	
.030	-.0116
.035	
.040	.0369
.045	
.050	-.0085
.055	
.060	-.0783
.065	-.0474
.070	-.0228
.075	.0105
.080	
.085	-.0560
.090	
.095	-.0640
.999	
.000	
.005	.0118
.010	
.015	-.1326
.020	-.1368
.025	-.1159
.030	
.035	-.1335
.040	
.045	.0300

(RB4U:3)

UPPER WING

TABULATED PRESSURE DATA - OA220

ARC97-716 OA22 01

MACH ( 2 ) = 2.201 ALPHA ( 1 ) = -.130

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

V/W 2990 .3640 .4270 .5340 .6730 .7800 .8870

X/C

.390 -.1780 -.1705  
 .565 .0300  
 .600  
 .620  
 .700 -.0962  
 .725  
 .750  
 .760  
 .775  
 .834 -.0312  
 .850  
 .857  
 .865 .0144  
 .900 .0309  
 .905  
 .930  
 .933  
 .965 .0741

-.1780 -.1705  
 .0300  
 -.1650  
 -.1009  
 -.1833  
 -.1706 -.1767  
 -.1124  
 -.1653 -.1645  
 -.0612  
 -.1313 -.1627 -.1656  
 -.0314  
 -.0932  
 -.1424  
 -.0610  
 -.1461

-.1569

MACH ( 2 ) = 2.201 ALPHA ( 2 ) = 10.110

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

V/W 2990 .3640 .4270 .5340 .6730 .7800 .8870

X/C

.000 -.1140 -.1142 .1830 .7307 .7419 .6980 .7303  
 .020  
 .025  
 .040  
 .045  
 .050 -.1262  
 .060  
 .065  
 .066  
 .094  
 .130  
 .163  
 .177  
 .183  
 .229  
 .230  
 .274  
 .339

-.1142 .1830 .7307 .7419 .6980 .7303  
 .1679 .3101 .2734 .2689  
 -.0277  
 -.1011  
 -.0791  
 .0216 .1033 .1133 .0990  
 -.0623  
 -.0966  
 -.0760  
 -.1338  
 .0300  
 -.1725  
 -.0923  
 -.1748 -.1753 -.1555 -.1316  
 -.1923  
 -.1392





(RB4U13)

UPPER WING

DATE 08 APR 75 TABULATED PRESSURE DATA - QAZ28

ARC97-716 QAZ2 DI

MACH ( 2 ) = 2.201 ALPHA ( 2 ) = 10.110

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

X/CW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.362	-.0290			-.2546	-.2262		-.2049
.400		-.2166					
.432							
.497	.0000						
.550				-.2630	-.2458		
.565			.0000				
.600							-.2210
.650							
.700	-.1938					-.2239	
.725				-.2521			
.750			-.2041			-.2412	-.2316
.760							
.775				-.2499	-.2365		
.806			-.1990				
.834	-.1826						
.850				-.2405	-.2506	-.2440	
.857				-.1645			
.865	-.1766						
.900	-.1654			-.2228			-.2183
.925			-.1764	-.2156			
.950				-.2031		-.2337	
.955			-.1565				
.965	-.1180						

MACH ( 2 ) = 2.201 ALPHA ( 3 ) = 20.400

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

X/CW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.362	-.1947	-.2080	-.0596	.5437	.6184	.5698	.5735
.400				-.0744	.0847	.0135	-.0065
.432							
.497			-.1573				
.550		-.1947					
.565							
.600	-.1965			-.1641	-.0936	-.0937	-.1090
.650				-.2077			
.700			-.1932				
.725							
.750	-.2052						
.760							
.775							
.806				-.2443	-.2033	-.1312	-.1910
.834							
.850							
.857							
.865							
.900							
.925							
.950							
.955							
.965							

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22B

(PB4U13)

UPPER WING

ARC97-716 0A22 01

MACH ( 2 ) = 2.201 ALPHA ( 3 ) = 20.400

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.5340	.6730	.7800
.8870		
.229	.2235	
.290		
.274		
.339		
.362		
.400		
.432		
.497		
.590		
.565		
.600		
.690		
.700		
.725		
.750		
.760		
.775		
.808		
.834		
.850		
.857		
.865		
.900		
.905		
.950		
.953		
.965		

MACH ( 2 ) = 2.201 ALPHA ( 4 ) = 27.070

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.5340	.6730	.7800
.8870		
.2008	.2198	
.020		
.025		
.040		
.045		
.050		
.060		
.065		
.066		
.034		



(RB4U13)

UPPER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - OA228

ARC97-716 OA22 O1

MACH (2) = 2.201 ALPHA (4) = 27.370

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.150				-.2563	-.2406	-.2342	-.2443
.153		.0000					
.177			-.2472				
.193		-.2255					
.229	-.2435						
.250				-.1911	-.2618	-.2594	-.2612
.274			-.2542				
.339		-.2310					
.362	-.2380						
.400				-.2613	-.2603		-.2652
.402			-.2666				
.497	.0000			-.2656	-.2565		
.550			.0000				
.565							-.2667
.600							
.650					-.0674		
.700	-.2428			-.2603			
.725							
.750							
.760			-.2343				-.2637
.775				-.2578	-.2233		
.808			-.2404				
.834	-.2453						
.850				-.2560	-.2421	-.2445	
.857			-.1951				
.865	-.2505						
.900	-.2363			-.2547	-.2438		-.2627
.905			-.2322				
.950				-.2524			
.953			-.2284				-.2450
.965	-.2300						

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(R84U14) ( 10 OCT 75 )

ARC97-716 0422 01

UPPER WING

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000  
RUDDER = .000 SPOBRK = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
LREF = 38.7090 INCHES YMRP = .0000 INCHES  
BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0300 SCALE

MACH ( 1 ) = 2.201 BETA ( 1 ) = -5.070

SECTION ( 1 ) UPPER WING	DEPENDENT VARIABLE CP
Y/BW	.2990 .3640 .4270 .5340 .6700 .7800 .8870
X/CW	
.000	-.0054 -.0824 .3709 .9266 .9167 .8654 .9165
.020	.3260 .4532 .4153 .4153
.025	.1011
.040	-.0288
.045	.0316
.050	-.0710
.060	.1405 .2183 .2264 .2123
.065	.0302
.066	-.0231
.066	-.0097
.094	-.0885
.150	-.1052 -.0347 -.0047 .0275
.163	.0000
.177	-.1374
.193	-.0166
.229	.0180
.250	-.1451 -.1293 -.1068 -.0766
.274	-.1647
.339	-.1252
.362	.0013
.400	-.2253 -.1965 -.1700
.402	-.2064
.497	.0000
.590	-.2434 -.2231
.565	.0000
.600	
.650	-.1899
.700	-.1638
.725	-.1165
.750	-.2398
.760	-.2201 -.2039
.775	-.1774
.806	-.2276 -.2170
.834	-.1688
.850	-.2128 -.2300 -.2212
.857	-.1468
.865	-.1322
.900	-.1193
.905	-.2029
.935	-.1635
	-.2219
	-.1899



(RB4U14)

UPPER WING

DATE 09 APR 75

ARC97-716 OA22 01

WACH ( 1 ) =	2.231	BETA ( 1 ) =	-5.073
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SECTION ( UPPER WING

$y/\bar{y}$	.2990	.3640	.4270	.5340	.6730	.7600	.8870
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OW			
.950		- .1810	- .2974
.953		- .1602	
.965			- .0748

$$\text{WACH} (1) = 2.291 \quad \text{BETA} (2) = .000$$

SECTION ( UPPER WING	DEPENDENT VARIABLE CP
1	0.00
2	0.00
3	0.00
4	0.00
5	0.00
6	0.00
7	0.00
8	0.00
9	0.00
10	0.00
11	0.00
12	0.00
13	0.00
14	0.00
15	0.00
16	0.00
17	0.00
18	0.00
19	0.00
20	0.00
21	0.00
22	0.00
23	0.00
24	0.00
25	0.00
26	0.00
27	0.00
28	0.00
29	0.00
30	0.00
31	0.00
32	0.00
33	0.00
34	0.00
35	0.00
36	0.00
37	0.00
38	0.00
39	0.00
40	0.00
41	0.00
42	0.00
43	0.00
44	0.00
45	0.00
46	0.00
47	0.00
48	0.00
49	0.00
50	0.00
51	0.00
52	0.00
53	0.00
54	0.00
55	0.00
56	0.00
57	0.00
58	0.00
59	0.00
60	0.00
61	0.00
62	0.00
63	0.00
64	0.00
65	0.00
66	0.00
67	0.00
68	0.00
69	0.00
70	0.00
71	0.00
72	0.00
73	0.00
74	0.00
75	0.00
76	0.00
77	0.00
78	0.00
79	0.00
80	0.00
81	0.00
82	0.00
83	0.00
84	0.00
85	0.00
86	0.00
87	0.00
88	0.00
89	0.00
90	0.00
91	0.00
92	0.00
93	0.00
94	0.00
95	0.00
96	0.00
97	0.00
98	0.00
99	0.00
100	0.00

	V	R <sub>1</sub>	R <sub>2</sub>	R <sub>3</sub>	R <sub>4</sub>	R <sub>5</sub>	R <sub>6</sub>	R <sub>7</sub>	R <sub>8</sub>	R <sub>9</sub>	R <sub>10</sub>	R <sub>11</sub>	R <sub>12</sub>	R <sub>13</sub>	R <sub>14</sub>	R <sub>15</sub>	R <sub>16</sub>	R <sub>17</sub>	R <sub>18</sub>	R <sub>19</sub>	R <sub>20</sub>	R <sub>21</sub>	R <sub>22</sub>	R <sub>23</sub>	R <sub>24</sub>	R <sub>25</sub>	R <sub>26</sub>	R <sub>27</sub>	R <sub>28</sub>	R <sub>29</sub>	R <sub>30</sub>	R <sub>31</sub>	R <sub>32</sub>	R <sub>33</sub>	R <sub>34</sub>	R <sub>35</sub>	R <sub>36</sub>	R <sub>37</sub>	R <sub>38</sub>	R <sub>39</sub>	R <sub>40</sub>	R <sub>41</sub>	R <sub>42</sub>	R <sub>43</sub>	R <sub>44</sub>	R <sub>45</sub>	R <sub>46</sub>	R <sub>47</sub>	R <sub>48</sub>	R <sub>49</sub>	R <sub>50</sub>	R <sub>51</sub>	R <sub>52</sub>	R <sub>53</sub>	R <sub>54</sub>	R <sub>55</sub>	R <sub>56</sub>	R <sub>57</sub>	R <sub>58</sub>	R <sub>59</sub>	R <sub>60</sub>	R <sub>61</sub>	R <sub>62</sub>	R <sub>63</sub>	R <sub>64</sub>	R <sub>65</sub>	R <sub>66</sub>	R <sub>67</sub>	R <sub>68</sub>	R <sub>69</sub>	R <sub>70</sub>	R <sub>71</sub>	R <sub>72</sub>	R <sub>73</sub>	R <sub>74</sub>	R <sub>75</sub>	R <sub>76</sub>	R <sub>77</sub>	R <sub>78</sub>	R <sub>79</sub>	R <sub>80</sub>	R <sub>81</sub>	R <sub>82</sub>	R <sub>83</sub>	R <sub>84</sub>	R <sub>85</sub>	R <sub>86</sub>	R <sub>87</sub>	R <sub>88</sub>	R <sub>89</sub>	R <sub>90</sub>	R <sub>91</sub>	R <sub>92</sub>	R <sub>93</sub>	R <sub>94</sub>	R <sub>95</sub>	R <sub>96</sub>	R <sub>97</sub>	R <sub>98</sub>	R <sub>99</sub>	R <sub>100</sub>	R <sub>101</sub>	R <sub>102</sub>	R <sub>103</sub>	R <sub>104</sub>	R <sub>105</sub>	R <sub>106</sub>	R <sub>107</sub>	R <sub>108</sub>	R <sub>109</sub>	R <sub>110</sub>	R <sub>111</sub>	R <sub>112</sub>	R <sub>113</sub>	R <sub>114</sub>	R <sub>115</sub>	R <sub>116</sub>	R <sub>117</sub>	R <sub>118</sub>	R <sub>119</sub>	R <sub>120</sub>	R <sub>121</sub>	R <sub>122</sub>	R <sub>123</sub>	R <sub>124</sub>	R <sub>125</sub>	R <sub>126</sub>	R <sub>127</sub>	R <sub>128</sub>	R <sub>129</sub>	R <sub>130</sub>	R <sub>131</sub>	R <sub>132</sub>	R <sub>133</sub>	R <sub>134</sub>	R <sub>135</sub>	R <sub>136</sub>	R <sub>137</sub>	R <sub>138</sub>	R <sub>139</sub>	R <sub>140</sub>	R <sub>141</sub>	R <sub>142</sub>	R <sub>143</sub>	R <sub>144</sub>	R <sub>145</sub>	R <sub>146</sub>	R <sub>147</sub>	R <sub>148</sub>	R <sub>149</sub>	R <sub>150</sub>	R <sub>151</sub>	R <sub>152</sub>	R <sub>153</sub>	R <sub>154</sub>	R <sub>155</sub>	R <sub>156</sub>	R <sub>157</sub>	R <sub>158</sub>	R <sub>159</sub>	R <sub>160</sub>	R <sub>161</sub>	R <sub>162</sub>	R <sub>163</sub>	R <sub>164</sub>	R <sub>165</sub>	R <sub>166</sub>	R <sub>167</sub>	R <sub>168</sub>	R <sub>169</sub>	R <sub>170</sub>	R <sub>171</sub>	R <sub>172</sub>	R <sub>173</sub>	R <sub>174</sub>	R <sub>175</sub>	R <sub>176</sub>	R <sub>177</sub>	R <sub>178</sub>	R <sub>179</sub>	R <sub>180</sub>	R <sub>181</sub>	R <sub>182</sub>	R <sub>183</sub>	R <sub>184</sub>	R <sub>185</sub>	R <sub>186</sub>	R <sub>187</sub>	R <sub>188</sub>	R <sub>189</sub>	R <sub>190</sub>	R <sub>191</sub>	R <sub>192</sub>	R <sub>193</sub>	R <sub>194</sub>	R <sub>195</sub>	R <sub>196</sub>	R <sub>197</sub>	R <sub>198</sub>	R <sub>199</sub>	R <sub>200</sub>	R <sub>201</sub>	R <sub>202</sub>	R <sub>203</sub>	R <sub>204</sub>	R <sub>205</sub>	R <sub>206</sub>	R <sub>207</sub>	R <sub>208</sub>	R <sub>209</sub>	R <sub>210</sub>	R <sub>211</sub>	R <sub>212</sub>	R <sub>213</sub>	R <sub>214</sub>	R <sub>215</sub>	R <sub>216</sub>	R <sub>217</sub>	R <sub>218</sub>	R <sub>219</sub>	R <sub>220</sub>	R <sub>221</sub>	R <sub>222</sub>	R <sub>223</sub>	R <sub>224</sub>	R <sub>225</sub>	R <sub>226</sub>	R <sub>227</sub>	R <sub>228</sub>	R <sub>229</sub>	R <sub>230</sub>	R <sub>231</sub>	R <sub>232</sub>	R <sub>233</sub>	R <sub>234</sub>	R <sub>235</sub>	R <sub>236</sub>	R <sub>237</sub>	R <sub>238</sub>	R <sub>239</sub>	R <sub>240</sub>	R <sub>241</sub>	R <sub>242</sub>	R <sub>243</sub>	R <sub>244</sub>	R <sub>245</sub>	R <sub>246</sub>	R <sub>247</sub>	R <sub>248</sub>	R <sub>249</sub>	R <sub>250</sub>	R <sub>251</sub>	R <sub>252</sub>	R <sub>253</sub>	R <sub>254</sub>	R <sub>255</sub>	R <sub>256</sub>	R <sub>257</sub>	R <sub>258</sub>	R <sub>259</sub>	R <sub>260</sub>	R <sub>261</sub>	R <sub>262</sub>	R <sub>263</sub>	R <sub>264</sub>	R <sub>265</sub>	R <sub>266</sub>	R <sub>267</sub>	R <sub>268</sub>	R <sub>269</sub>	R <sub>270</sub>	R <sub>271</sub>	R <sub>272</sub>	R <sub>273</sub>	R <sub>274</sub>	R <sub>275</sub>	R <sub>276</sub>	R <sub>277</sub>	R <sub>278</sub>	R <sub>279</sub>	R <sub>280</sub>	R <sub>281</sub>	R <sub>282</sub>	R <sub>283</sub>	R <sub>284</sub>	R <sub>285</sub>	R <sub>286</sub>	R <sub>287</sub>	R <sub>288</sub>	R <sub>289</sub>	R <sub>290</sub>	R <sub>291</sub>	R <sub>292</sub>	R <sub>293</sub>	R <sub>294</sub>	R <sub>295</sub>	R <sub>296</sub>	R <sub>297</sub>	R <sub>298</sub>	R <sub>299</sub>	R <sub>300</sub>	R <sub>301</sub>	R <sub>302</sub>	R <sub>303</sub>	R <sub>304</sub>	R <sub>305</sub>	R <sub>306</sub>	R <sub>307</sub>	R <sub>308</sub>	R <sub>309</sub>	R <sub>310</sub>	R <sub>311</sub>	R <sub>312</sub>	R <sub>313</sub>	R <sub>314</sub>	R <sub>315</sub>	R <sub>316</sub>	R <sub>317</sub>	R <sub>318</sub>	R <sub>319</sub>	R <sub>320</sub>	R <sub>321</sub>	R <sub>322</sub>
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[illegible]

DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(RB4U14)

UPPER WING

ARC97-716 0422 01

MACH ( 1 ) = 2.201 BETA ( 2 ) = .000

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.837 -.1697  
 .865 -.1832  
 .900 -.1719  
 .935 -.1843  
 .950 -.2099  
 .955 -.2355  
 .965 -.1651  
 .965 -.1220

MACH ( 1 ) = 2.201 BETA ( 3 ) = 4.980

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 -.2019 -.1661 -.0537 .4736 .5480 .5183 .5430  
 .020 .023 -.1119  
 .040 .043 -.1729  
 .045 .045 -.1419  
 .050 -.1787  
 .060 .060  
 .065 .066  
 .066 -.1579  
 .094 -.2024  
 .150 .163  
 .163 .177  
 .177 .193  
 .193 .193  
 .229 -.2155  
 .240 .274  
 .274 .274  
 .339 .339  
 .362 -.1434  
 .400 .402  
 .402 .497  
 .497 .550  
 .550 .565  
 .600 .600  
 .650 .650  
 .700 -.2129  
 .725 .725  
 .750 .750  
 .760 .760

-.1924

-.2445  
 -.2491  
 -.1322  
 -.2580  
 -.2552



DATE 09 APR 75 TABULATED PRESSURE DATA - CA22B

(RB4U14)

UPPER WING

ARC97-716 CA22-01

MACH (1) = 2.201 BETA (3) = 4.980

SECTION (1) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2993	.3643	.4270	.5340	.6730	.7800	.8870
X/CW							
.775				-.2560	-.2320		
.808			-.1332				
.834		-.1784					
.850				-.2446	-.2287	-.2404	
.857			-.1634				
.865		-.1578					
.900	-.1288			-.2354	-.2172		-.2413
.905			-.1908				
.930				-.2216		-.2180	
.953			-.1880				
.965		-.0915					





DATE 09 APR 75

TABULATED PRESSURE DATA - 0A22B

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(R84U15)

UPPER WING

ALPHA ( 1 ) = -.130 BETA ( 1 ) = -4.940

SECTION ( 1 ) UPPER WING

DEPENDENT VARIABLE C<sub>p</sub>

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
	.980			.0441		-.2472	
	.953		.1337				
	.965	.1154					

ALPHA ( 1 ) = -.150 BETA ( 2 ) = .080

SECTION ( 1 ) UPPER WING

DEPENDENT VARIABLE C<sub>p</sub>

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
	.000	-.0018	-.0026	.3844	.6929	.6513	.5758
	.020			.4735	.4858	.4408	.4451
	.025		.2913				
	.040	.0379					
	.045		.2143				
	.050	-.0203		.2085	.2480	.2562	.2534
	.080			.1227			
	.085		.1019				
	.086	.0936					
	.094	-.0561					
	.130			-.0508	-.0461	-.0069	.0286
	.163	.0000					
	.177		.0302				
	.193	.0714					
	.229	-.0236					
	.250						
	.274		-.1108	-.1682	-.1753	-.1583	-.1310
	.339	-.0965					
	.362	.0530					
	.400						
	.432		-.2144	-.2652	-.2835		-.2866
	.437	.0000					
	.550			-.2802	-.3135		
	.565		.0500				
	.603						
	.650						
	.730	-.1543					-.3114
	.725			-.1410		-.3203	
	.750			-.2217			
	.760						
	.775		-.0624			-.3465	-.3425
	.838			-.0788	-.2819		
	.854	.0533		.0581			
	.855						
				.0375	-.2186	-.3143	

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A228

(R84U15)

UPPER WING

ARC97-716 0A22 01

ALPHA ( 1 ) = -.150 BETA ( 2 ) = .080

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.857 .0827  
 .865 .1132  
 .900 .1122  
 .905 .0970  
 .950 .0970  
 .953 .0924  
 .965 .0379

-.2925

-.0644

-.0867

-.2647

ALPHA ( 1 ) = -.170 BETA ( 3 ) = 5.040

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 -.0672 -.0877 .3120 .5922 .5387 .4632 .5049  
 .020 .025 .025 .2330  
 .040 -.0010  
 .045 .1382  
 .050 -.0805  
 .060 .1838 .1571 .1726 .1681  
 .065 .0638  
 .068 .0681

-.0344

-.0714

-.0986

-.0559

-.0344

-.0283

-.0561

-.0111

-.0111

-.0111

-.0111

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-.0111

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-.0111



(RB4U15)

UPPER WING

DATE 03 APR 75  
TABULATED PRESSURE DATA - 3A22B

ARC 97-716 J22 J:

$$\text{ALPHA} (1) = -1.70 \quad \text{BETA} (3) = 5.040$$

SECTION ( 1 ) UPPER WING

1/54	.2990	.3640	.4270	.5340	.6730	.7800	.8870
------	-------	-------	-------	-------	-------	-------	-------

[illegible]
$$\text{ALPHA} (2) = 10.990 \quad \text{BETA} (1) = -5.070$$

SECTION (1) UPPER WING

7/84	.2390	.3640	.4270	.5340	.6130	.7800	.8870
------	-------	-------	-------	-------	-------	-------	-------

0.00	-.0553	-.1692	.3306	.7544	.7649	.7269	.7462
0.20				.0940	.2452	.1752	.1608
0.35			-.0323				
0.40		-.1067					
0.45			-.1177				
0.50	-.1040			-.0736	-.0419	-.0141	-.0437
0.60				-.1944			
0.65			-.2124				
0.66		-.0377					
0.74	-.1330						
0.80				-.3417	-.2799	-.2443	-.2209
0.83		.3000					
0.87			-.3361				
0.93		-.1554					
0.99	-.0602						
1.00							
1.24			-.3695	-.3640	-.3780	-.3502	-.3219
1.33		-.2804					
1.62	-.0003						
1.90							
2.02		-.4052		-.4201	-.4017		-.3401
2.37	.0000						
2.53							
2.63				-.4204	-.4064		
2.69			.0000				
2.92							-.3308
3.02						-.3632	

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UPPER WING

(R84U13)

ALPHA ( 2 ) = 10.090 BETA ( 1 ) = -5.070

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.700	-.3371			-.3751	-.2038		
.725						-.3376	-.3471
.750							
.760		-.2968					
.775				-.3515	-.3513		
.836			-.2965				
.834	-.2581						
.853				-.3175	-.3533	-.3479	
.857			-.2382				
.865	-.1662						
.900	-.0621		-.2899				-.3640
.905			-.2292	-.3333			
.950			-.2702		-.3379		
.955			-.1751				
.965	.0255						

ALPHA ( 2 ) = 10.090 BETA ( 2 ) = .020

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.2060	-.2430	.0675	.5796	.6078	.5616	.5703
.020				-.0753	.1052	.0171	-.0052
.025			-.2033				
.040		-.2243					
.045			-.2523				
.090	-.1920			-.2161	-.1631	-.1380	-.1665
.080				-.3020			
.085			-.3075				
.086		-.1920					
.094	-.2283						
.150				-.4057	-.3536	-.3232	-.3354
.165		.0000					
.177			-.3668				
.195		-.2403					
.229	-.2587						
.250				-.4140	-.4308	-.4075	-.3821
.274		-.3858					
.339		-.3222					
.362	-.1628						
.400				-.4624	-.4441		-.3708
.402							
.497	.0000		-.4008				



(NB4U15)

UPPER WING

DATE 08 APR 75 TABULATED PRESSURE DATA - 04228

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ALPHA ( 2 ) = 10.090 BETA ( 2 ) = .020

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

V/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

V/CW

.590	-.4537	-.4598				
.595	.0000					-.3708
.600					-.4049	
.650				-.1955		
.720	-.3339		-.4050		-.3689	-.3632
.725						
.750						
.760		-.2366				
.775		-.3994	-.3753			
.808		-.2119				
.834	-.1648					
.852		-.3477	-.3800	-.3776		
.857		-.2211				
.865	-.0999					
.920	-.0652	-.3270				-.3851
.935		-.2062	-.3666			
.950		-.3154	-.3689			
.955		-.1555				
.965	-.0234					

ALPHA ( 2 ) = 10.080 BETA ( 3 ) = 9.010

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

V/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

V/CW

.030	-.2960	-.3033	-.1886	.3627	.4058	.3806
.020				-.2390	-.0761	-.1404
.025			-.2592			
.040		-.2994				
.045			-.2821			
.050	-.2887			-.3440	-.2919	-.2851
.060				-.4370		
.065			-.3044			
.066		-.2884				
.094	-.3438				-.4335	-.3977
.190						-.3893
.163		.0000				
.177			-.3197			
.193		-.2938				
.229	-.3897					
.250					-.4135	-.4787
.274			-.3204		-.4599	-.4426
.359		-.3594				

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(RB4U15)

UPPER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

ARC97-716 0422 01

ALPHA ( 2 ) = 10.040 BETA ( 3 ) = 5.010

SECTION ( 1 ) UPPER WING  
DEPENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
W/CW							
.362	-.2418						
.400							
.432							
.497	.0000						
.553							
.563							
.600							
.650							
.733	-.3070						
.723							
.750							
.760							
.775							
.836							
.834	-.1324						
.850							
.857							
.865	-.1109						
.900	-.1093						
.935							
.950							
.953							
.965	-.0976						

ALPHA ( 3 ) = 20.320 BETA ( 1 ) = -5.340

SECTION ( 1 ) UPPER WING  
DEPENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
W/CW							
.000	-.3076	-.2656	-.1430	.5135	.5424	.4701	.4287
.020							
.023							
.040							
.043							
.050	-.2796						
.060							
.063							
.066							
.094	-.3000						
.150							
.163							
.177							
.183							



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UPPER WING

DATE 29 APR 75 TABULATED PRESSURE DATA - 04228

ARC97-716 0422 01

ALPHA ( 3 ) = 20.320 BETA ( 1 ) = -5.340

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

V/DW	.2990	.3640	.4270	.5340	.6700	.7800	.8870
W/CW							
.229	-.3014						
.250				-.4173	-.4664	-.4745	-.4765
.274			-.3760				
.339		-.3440					
.362	-.3014						
.400				-.4916	-.4631		-.4699
.432			-.4276				
.497	.0300			-.0726	-.4614		
.550							
.565				.0000			-.4762
.600							
.650					-.2199		-.4675
.700	-.4493			-.4669			
.725							
.750			-.3700			-.4471	-.4795
.760				-.4593	-.4290		
.775			-.3460				
.806							
.834	-.3463			-.4483	-.4510	-.4578	
.853							
.877			-.3283				
.895	-.3331						
.921	-.3385			-.4446	-.4527		-.4858
.935			-.3409				
.950				-.4503		-.4671	
.953			-.3376				
.965	-.2325						

ALPHA ( 3 ) = 20.330 BETA ( 2 ) = -.070

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

V/DW	.2990	.3640	.4270	.5340	.6700	.7800	.8870
W/CW							
.300	-.3958	-.3496	-.3256	.3016	.3414	.2714	.2210
.320				-.3706	-.2264	-.3273	-.3706
.325			-.3106				
.340		-.3442					
.345			-.3346				
.350	-.3608			-.4453	-.4101	-.4190	-.4260
.360				-.4773			
.375			-.3742				
.390		-.3104					
.394	-.4124						

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UPPER WING

ARC97-716 0422 01

ALPHA ( 3 ) = 20.330 BETA ( 2 ) = -.070

## SECTION ( 1 ) UPPER WING

DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.3340	.6730	.7800
.8870		
.150		
.165		
.177		
.193		
.229		
.250		
.274		
.339		
.362		
.400		
.402		
.497		
.550		
.565		
.500		
.630		
.700		
.725		
.750		
.760		
.775		
.808		
.834		
.850		
.857		
.865		
.900		
.905		
.950		
.953		
.965		

ALPHA ( 3 ) = 20.340 BETA ( 3 ) = 5.250

## SECTION ( 1 ) UPPER WING

DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.3340	.6730	.7800
.8870		
.000		
.020		
.025		
.040		
.045		
.050		





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TABULATED PRESSURE DATA - OA22B

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ALPHA ( 3 ) = 23.340 BETA ( 3 ) = 5.250

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(RB4U15)

UPPER WING

SECTION ( 1 ) UPPER WING

DEPENDENT VARIABLE CP

Y/BW	.2990	.3540	.4270	.5340	.6730	.7800	.8870
X/CW							
.040							
.085							
.086							
.094							
.130							
.163							
.177							
.193							
.229							
.250							
.274							
.339							
.362							
.400							
.402							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.955							
.965							

ARC97-716 OA22 O1

(RB4U13)

UPPER WING

ALPHA ( 4 ) = 26.950 BETA ( 1 ) = -5.710

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.3931	-.3562	-.2851	.3179	.3003	.2044	.1211
.020			-.3879	-.2790	-.3905	-.4249	
.025			-.3401				
.040		-.3431					
.045			-.3674				
.050	-.3525			-.4628	-.4515	-.4714	-.4541
.080				-.4943			
.085			-.3917				
.086		-.3224					
.094	-.3637			-.4867	-.4977	-.5012	-.5034
.150							
.163		.0000					
.177			-.4343				
.193		-.3687					
.229	-.4048			-.4388	-.4971	-.4995	-.4997
.250			-.4523				
.274							
.339		-.4107					
.362	-.4098						
.400				-.5147	-.4961		-.5024
.402			-.4906				
.497	.0000						
.550			-.5160	-.4947			
.565			.0000				
.600							
.650						-.5005	-.5067
.700	-.4730			-.4976	-.2097		
.725						-.4758	-.4787
.750							
.760			-.4653				
.775			-.5000	-.4555			
.808			-.4569				
.834	-.3696						
.850			-.4749	-.4803	-.4818		
.857			-.4323				
.865	-.3930						
.900	-.3820		-.4722				-.4794
.905			-.4638	-.4776			
.950			-.4434			-.4778	
.955			-.4459				
.965	-.3355						



DATE 09 APR 75

TABULATED PRESSURE DATA - 0A228

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(R84U15)

UPPER WING

ALPHA ( 4 ) = 26.970 BETA ( 2 ) = -.150

SECTION ( 1 ) UPPER WING

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.4665	-.4326	-.3901	.0561	.0664	-.0312	-.1076
.020				-.4531	-.3779	-.4536	-.4766
.025			-.4047				
.040		-.4197					
.045			-.4197				
.050	-.4355			-.4829	-.4984	-.4977	-.4467
.060				-.4836			
.065			-.4396				
.086		-.4021					
.094	-.4647						
.150		.0000		-.4776	-.4950	-.4876	-.4909
.163			-.4652				
.177		-.4337					
.193							
.229	-.4760			-.4278	-.4900	-.4870	-.4856
.290			-.4901				
.274		-.4802					
.339	-.4513			-.4899	-.4900		-.4926
.362			-.5160				
.400				-.4936	-.4850		
.402		.0000					
.497							
.550				-.4949		-.4936	-.4992
.563					-.2086		
.600							
.650							
.700	-.4998						
.725							
.750			-.4320			-.4716	-.4707
.760							
.775				-.4862	-.4495		
.808			-.4430				
.834		-.4275					
.850				-.4752	-.4760	-.4746	
.857			-.4332				
.855	-.4025						
.900	-.3567			-.4605			-.4700
.905			-.4508		-.4743		
.950				-.4165		-.4753	
.955			-.3919				
.965	-.2014						

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DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(RB4U16) ( 26 JAN 74 )

UPPER WING

ARC97-716 0422 01

PARAMETRIC DATA

MACH = 2.200 ELEVON = .000  
RUDDER = .000 SPOBRK = .000

REFERENCE DATA

SRF = 2.4210 30.FT. XMRP = 29.5900 INCHES  
LREF = 38.7090 INCHES YMRP = .0000 INCHES  
BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0300 SCALE

ALPHA ( 1 ) = -.120 BETA ( 1 ) = -4.980

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	.0698	.0573	.4291	.9145	.8596	.8009	.8565
.020				.6720	.6731	.6327	.6520
.025			.3728				
.040		.0994					
.045			.2912				
.050	.0912			.4428	.4485	.4561	.4476
.080				.2810			
.085			.1753				
.086		.1369					
.094	.0707						
.150				.0721	.1263	.1797	.2120
.163		.0300					
.177		.0401					
.193		.0808					
.229	.0337						
.250							
.274							
.339							
.362	.0421						
.400							
.402							
.497	.0000						
.590							
.595							
.600							
.630							
.700							
.725							
.750							
.760							
.775							
.806							
.834							
.850							
.857							
.865							
.900							
.915							



(RB4U16)

UPPER WING

TABLED PRESSURE DATA - Q4228

ARC97-716 OA22 01

$$\begin{aligned} \text{ALPHA} (1) &= -.129 \\ \text{BETA} (1) &= -4.969 \end{aligned}$$

DEPENDENT VARIABLE OF

[illegible]

X/CW	- .0469	- .1305
.950		
.953	.0148	
.965		.1384

$$\text{BETA}(1) = -120 \quad \text{BETA}(2) = -4.300$$

DEPENDENT VARIABLE CP

	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2
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0.00	.0649	.0325	.4141	.8888	.8351	.7823	.8296
.025			.3597	.6430	.6506	.6353	.6238
.040		.0660					
.045			.2759				
.050	.0638			.4217	.4237	.4373	.4276
.060				.2721			
.065			.1769				
.066		.1233					
.094	.0593			.0649	.1168	.1643	.1983
.150		.0000					
.153			.0255				
.177		.0770					
.193							
.223	.0269			-.0485	-.0069	.0140	.0532
.250			-.0330				
.274		-.0487					
.333							
.362	.0328			-.1316	-.1126		-.0865
.400			-.1207				
.402							
.497	.0000		.0000	-.1665	-.1540		
.550							
.565							
.600							
.690							
.700	-.0803					-.1539	-.1433
.725							
.750				-.1754	-.0985		
.760							
.775			-.1083				
.808				-.1611	-.1587		
.834	-.0148		-.0514				
.850							
				-.1236	-.1577	-.1536	



(RB4U18)

UPPER WING

DATE 29 APR 75

ARC97-716 Q22 O1

$$\text{ALPHA} (1) = -.150 \quad \text{BETA} (3) = -.060$$

DEPENDENT VARIABLE CP

Y/8W	.2990	.3640	.4270	.5340	.6730	.7800	.8870
------	-------	-------	-------	-------	-------	-------	-------

WCM	- .1581	- .1641
***		

- .U674

-0391

- .1277    -.1614    -.1630

157 - .0391

Year	1992	1993
1992	-0.092	-0.1533
1993	-0.1888	-0.1533

9933	.0421	- .0261	- .1413
10000			

-.0569      -.1469

1933

953 .0643

$$\text{ALPHA} (1) = -.180 \quad \text{BETA} (4) = 4.510$$

DEPENDENT VARIABLE OF

1/54	.2990	.3640	.4270	.5340	.6700	.8870
------	-------	-------	-------	-------	-------	-------

W2

.000	-.0009	.2443	.6260	.5956	.5411	.5793
.000			.3535	.4026	.3901	.3950

.020	.1363
------	-------

0.023  
0.0223

.043	.0833	.1973	.2332	.2410	.2414
.045					

	.050	-.0164	.9933
--	------	--------	-------

0.000	0.0316
-------	--------

0.005	0.0076
-------	--------

.006	.0570	
.094	-.0402	
		.0394
		-.0333
		.0084
		.0730

061.

163 .0000  
- 0492

197 - 0027

.193	-.0027
.229	-.0371
	.0018
	.0824
	-.0641
	-.0347

182.

274

.339	-.0791
.362	-.0117
	-.1176

33.

412 -1416

00000 467

.98	- .1766	--.1612
COCO		
.969	.0000	

303  
303  
303

CS9

•



DATE 09 APR 75

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UPPER WING

(RB4U16)

ALPHA ( 1 ) = -.180 BETA ( 4 ) = 4.510

SECTION ( 1 ) UPPER WING		DEPENDENT VARIABLE CP	
Y/BW	X/CW		
.2990	.3640	.4270	.5340 .6730 .7800 .8870
.700	-.1090		-.1360
.725		-.1172	
.750			
.760			
.775		-.1119	-.1835 -.1876
.808		-.1521	-.1694
.834	-.0276	-.0509	
.850			
.857		-.0356	-.1113 -.1679 -.1783
.865	.0131		
.900	.0343	-.0756	-.1690
.905		-.0215	-.1494
.950		-.0513	-.1574
.953		.0000	
.965	.0399		

ALPHA ( 1 ) = -.180 BETA ( 5 ) = 4.970

SECTION ( 1 ) UPPER WING		DEPENDENT VARIABLE CP	
Y/BW	X/CW		
.2990	.3640	.4270	.5340 .6730 .7800 .8870
.500	-.0011	.2348	.6203 .5909 .5298 .5733
.520			.3417 .3982 .3796 .3882
.525		.1275	
.540			
.545	-.0237	.0776	
.580	-.0200		.1890 .2293 .2311 .2374
.583		.0290	.0873
.585			
.586	-.0008		
.594	-.0338		
.190			-.0334 .0076 .0369 .0668
.163	.0000		
.177		-.0498	
.193	-.0018		
.229	-.0370		
.250			-.0322 -.0820 -.0634 -.0333
.274		-.0635	
.339	-.0777		
.362	-.0377		
.400			
.412		-.1487	-.1437
.417	.0000		-.1371

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(R84U16)

UPPER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

ARC97-716 0422 01

ALPHA ( 1 ) = -.180 BETA ( 5 ) = 4.970

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.350				-.1764	-.1783		
.365			.0000				-.1817
.600						-.1792	
.630					-.1030		
.725	-.1018			-.1688			
.750						-.1814	-.1863
.760			-.1095				
.775			-.0483	-.1487	-.1655		
.808							
.834	-.0239			-.1079	-.1642	-.1753	
.850			-.0319				
.857							
.865	.0185						
.900	.0376		-.0728				-.1675
.905			-.0195	-.1458			
.930				-.0483		-.1549	
.953			.0310				
.965	.0443						

ALPHA ( 2 ) = 10.120 BETA ( 1 ) = -5.810

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	.0105	-.0722	.3930	.9333	.9314	.6831	.9281
.020				.2398	.4654	.4304	.4258
.025			.1129				
.040		-.0214					
.045			.0416				
.050	-.0689			.1487	.2002	.2367	.8
.060				.0363			
.065			-.0226				
.066		-.0018					
.094	-.0694						
.130				-.0998	-.0377	.0022	.0364
.183		.0000					
.177		-.1317					
.193		-.0150					
.229	.0373						
.230				-.1480	-.1335	-.1022	-.0712
.274			-.1616				
.339		-.1248					





TABULATED PRESSURE DATA - 04228

(R94U18)

UPPER WING

ALPHA ( 2 ) = 10.110 BETA ( 2 ) = -.700

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SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

X/CW .2900 .3640 .4270 .5340 .6730 .7000 .8870

X/CW

.229 -.1635  
.290 -.1728 -.1798 -.1518 -.1268

.274 -.1893

.333 -.1555

.372 -.0345  
.433 -.2535 -.2306 -.1386

.432 -.2138

.437 .0000  
.550 -.2589 -.2502

.553 -.2165  
.600 -.2298

.653 -.1392

.700 -.2466  
.725 -.2421 -.2265

.750 -.2016

.760 -.2446 -.2418

.775 -.1947

.804 -.1648  
.834 -.2365 -.2556 -.2434

.853 -.2126

.865 -.2195  
.920 -.2227

.935 -.1366  
.950 -.2338

.953 -.1565

.965 -.1203

ALPHA ( 2 ) = 10.100 BETA ( 3 ) = 4.310

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

X/CW .2900 .3640 .4270 .5340 .6730 .7000 .8870

X/CW

.330 -.1562  
.370 -.1564 -.1233 .5376 .5751 .5407 .5725

.375 .325  
.425 -.1336 .5335 .1768 .1387 .1404

.440 -.1378

.445 -.1431  
.495 -.3976 -.3213 .3122 .3382

.500 -.1100

.505 -.1543

.505 -.1378

.505 -.1438

.505 -.1897



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(R84U16)

UPPER WING

ARC94-716 0422 01

ALPHA ( 2 ) = 10.100 BETA ( 3 ) = 4.310

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

V/BW	.2000	.3540	.4270	.5340	.6730	.7800	.8870
X/CW							
.150				-.2124	-.1626	-.1313	-.1085
.163		.0300					
.177			-.1911				
.193		-.1659					
.220	-.2208						
.250				-.1886	-.2169	-.1927	-.1696
.274			-.2043				
.339		-.1960					
.362	-.1347						
.400				-.2615	-.2517		-.2290
.432			-.2274				
.497	.0000				-.2689	-.2636	
.513			.0300				-.2392
.563							
.600							
.650							
.700	-.2106			-.2615	-.1357	-.2496	
.723							
.750			-.1931			-.2595	-.2486
.760				-.2602	-.2391		
.775			-.1894				
.836	-.1571						
.854				-.2428	-.2312	-.2553	
.890							
.897			-.1655				
.863	-.1664			-.2364			-.2407
.900	-.1374						
.903			-.1811		-.2181		
.920				-.2260		-.2287	
.933			-.1814				
.963	-.0883						

ALPHA ( 3 ) = 20.360 BETA ( 1 ) = -6.170

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

V/BW	.2000	.3540	.4270	.5340	.6730	.7800	.8870
X/CW							
.330	-.1358	-.1565	.1358	.7932	.0599	.8128	.8207
.320				.3532	.2352	.1536	.1253
.323			-.1327				
.363		-.1334					
.343			-.1373				
.353	-.1337			-.1768	-.0113	.0381	-.0165

(R94U16)

UPPER WING

ALPHA ( 3 ) = 20.390 BETA ( 1 ) = -6.170  
 ARC97-716 OA22 01

SECTION ( ) UPPER WING	DEFENDENT VARIABLE CP
Y/BW	
.2990	.3340 .4270 .5340 .6730 .7900 .8870
X/CW	
.080	-.1470
.085	-.1560
.086	-.1157
.094	-.1483
.150	-.2134
.163	-.1645
.177	-.1358
.193	-.1278
.229	-.2095
.250	-.1258
.274	-.1814
.330	-.1876
.362	-.2199
.403	-.1977
.402	-.2262
.497	-.1813
.550	-.2552
.565	-.2545
.600	-.2380
.650	-.2606
.700	-.2513
.725	.0000
.750	-.2503
.760	-.1045
.775	-.2411
.806	-.2349
.834	-.2484
.850	-.2475
.857	-.2120
.865	-.2279
.900	-.2406
.905	-.2253
.930	-.2312
.955	-.1835
	-.2280
	-.2445
	-.2039
	-.2177
	-.1835
	-.2556
	-.1712
	-.1371



DATE: 09 APR 75

TABULATED PRESSURE DATA - 04228

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ARC97-716 0422 01

(RB4U16)

UPPER WING

ALPHA ( 3 ) = 20.400 BETA ( 2 ) = -.870

SECTION ( 1 ) UPPER WING

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.1923	-.2077	-.0536	.5541	.6301	.5789	.5843
.020				-.0677	.0932	.0198	-.0026
.025			-.1786				
.040		-.1956					
.045			-.1909				
.050	-.1934			-.1582	-.1028	-.0891	-.1022
.080				-.2040			
.085							
.086			-.2060				
.094		-.1902					
.150	-.2040						
.163		.0000		-.2384	-.2077	-.1877	-.1850
.177							
.193		-.2284					
.229	-.2241						
.250							
.274				-.1884	-.2464	-.2295	-.2200
.339		-.2259					
.362	-.2209						
.400				-.2607	-.2627		-.2524
.402							
.437	.0700			-.2508			
.500							
.565				-.2676	-.2573		
.600				.0000			
.650							-.2548
.700	-.2342				-.2521		
.725				-.2590			
.750					-.1020		
.760							
.775				-.2424		-.2371	-.2561
.808				-.2367			
.834	-.2229						
.850				-.2359	-.2346	-.2396	
.857				-.1870			
.865	-.2288						
.900	-.2165			-.2266			-.2529
.905				-.2209	-.2326		
.930				-.1179		-.2374	
.953				-.2172			
.965	-.1381						

ARC97-716 Q422 01

(RB4U16)

UPPER WING

ALPHA ( 3 ) = 20.410 BETA ( 3 ) = 4.440

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/B4	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.2263	-.2269	-.1582	.3071	.4015	.3704	.3657
.020				-.1542	-.0273	-.0871	-.1003
.025				-.2132			
.040				-.2203			
.045				-.2205			
.050	-.2292			-.2190	-.1750	-.1659	-.1602
.060				-.2448			
.065				-.2201			
.086				-.2254			
.094	-.2370						
.130				-.2541	-.2422	-.2293	-.2287
.163				.0000			
.177				-.2421			
.193				-.2254			
.229	-.2512						
.250				-.1915	-.2668	-.2566	-.2497
.274				-.2513			
.339				-.2504			
.362	-.2407						
.400				-.2637	-.2653		-.2688
.437	.0000			-.2621			
.550				-.2706	-.2609		
.565				.0000			
.600							
.650							
.700	-.2431			-.2612	-.1051	-.2644	-.2671
.725							
.750				-.2291		-.2465	-.2541
.760				-.2281			
.775				-.2642	-.2338		
.806							
.834	-.2272			-.2531	-.2505	-.2482	
.850				-.1903			
.857							
.865	-.2274						
.900	-.2240			-.2487			-.2551
.905				-.2292	-.2513		
.950				-.2414		-.2472	
.953				-.2056			
.965	-.2027						





(RB4U16)

UPPER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - OA22B

ARC97-716 OA22 O1

ALPHA ( 4 ) = 27.060 BETA ( 1 ) = -6.510

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CM							
.000	-.1585	-.1965	.0308	.7153	.7712	.6947	.6572
.020				-.0390	.1220	.0160	-.0237
.025				-.1618			
.040				-.1680			
.045				-.1751			
.050				-.1711	-.1432	-.0972	-.1200
.060					-.1958		
.085				-.1820			
.086				-.1575			
.094				-.1824			
.150					-.2410	-.2028	-.1916
.163				.0000			
.177				-.2203			
.193				-.1682			
.229				-.2027			
.230					-.1845	-.2431	-.2313
.274				-.2311			
.339				-.2097			
.362				-.2049			
.400					-.2499	-.2456	-.2514
.402				-.2462			
.497				.0000			
.550				-.2523	-.2414		
.565				.0000			
.600						-.2429	-.2489
.650					-.0561		
.700				-.2272	-.2400		
.725						-.2205	-.2383
.750				-.2311			
.760				-.2420	-.2031		
.775				-.2208			
.808					-.2208	-.2206	-.2242
.834				-.2084			
.850					-.2208		
.857				-.1852			
.865				-.2235			
.930				-.2104			
.935				-.2076	-.2143	-.2196	-.2386
.950					-.1958		-.2264
.955				-.1963			
.955				-.1906			

DATE 09 APR 75

## TABULATED PRESSURE DATA - QM228

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(RB4)16)

UPPER WING

ARC97-716 QM22 01

ALPHA ( 4 ) = 27.070 BETA ( 2 ) = -.920

## SECTION ( 1 ) UPPER WING

DEPENDENT VARIABLE CP

Y/BV	X/CW	CP
.000	.000	.0000
.020	.020	.0000
.040	.040	.0000
.060	.060	.0000
.080	.080	.0000
.100	.100	.0000
.120	.120	.0000
.140	.140	.0000
.160	.160	.0000
.180	.180	.0000
.200	.200	.0000
.220	.220	.0000
.240	.240	.0000
.260	.260	.0000
.280	.280	.0000
.300	.300	.0000
.320	.320	.0000
.340	.340	.0000
.360	.360	.0000
.380	.380	.0000
.400	.400	.0000
.420	.420	.0000
.440	.440	.0000
.460	.460	.0000
.480	.480	.0000
.500	.500	.0000
.520	.520	.0000
.540	.540	.0000
.560	.560	.0000
.580	.580	.0000
.600	.600	.0000
.620	.620	.0000
.640	.640	.0000
.660	.660	.0000
.680	.680	.0000
.700	.700	.0000
.720	.720	.0000
.740	.740	.0000
.760	.760	.0000
.780	.780	.0000
.800	.800	.0000
.820	.820	.0000
.840	.840	.0000
.860	.860	.0000
.880	.880	.0000
.900	.900	.0000
.920	.920	.0000
.940	.940	.0000
.960	.960	.0000
.980	.980	.0000
1.000	1.000	.0000

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TABULATED PRESSURE DATA - 0A228

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(R84U16)

UPPER WING

ALPHA ( 4 ) = 27.100 BETA ( 3 ) = 4.700

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	X/D	CP
.2990	.3640	.4270
.3340	.6730	.7800
.6870		
.000	-.2275	-.2310
.020		.1960
.025		.2869
.040		.2453
.045		.2029
.050		-.11931
.060		-.1049
.065		-.1847
.070		-.1823
.075		-.2480
.080		-.2350
.085		-.2356
.090		-.2445
.095		-.2227
.100		-.2234
.105		-.1984
.110		-.2477
.115		-.2356
.120		-.2553
.125		-.2533
.130		-.2503
.135		-.2414
.140		-.2498
.145		-.2474
.150		-.2489
.155		.0300
.160		-.2548
.165		-.2428
.170		-.2695
.175		-.2544
.180		-.2561
.185		-.2541
.190		-.2541
.195		-.2496
.200		-.2504
.205		-.2373
.210		-.2461
.215		.0000
.220		-.2516
.225		-.2528
.230		-.0684
.235		-.2513
.240		-.2363
.245		-.2426
.250		-.2180
.255		-.2175
.260		-.2301
.265		-.2301
.270		-.2249
.275		-.2232
.280		-.2232
.285		-.2232
.290		-.2232
.295		-.2232
.300		-.2232
.305		-.2232
.310		-.2232
.315		-.2232
.320		-.2232
.325		-.2232
.330		-.2232
.335		-.2232
.340		-.2232
.345		-.2232
.350		-.2232
.355		-.2232
.360		-.2232
.365		-.2232
.370		-.2232
.375		-.2232
.380		-.2232
.385		-.2232
.390		-.2232
.395		-.2232
.400		-.2232
.405		-.2232
.410		-.2232
.415		-.2232
.420		-.2232
.425		-.2232
.430		-.2232
.435		-.2232
.440		-.2232
.445		-.2232
.450		-.2232
.455		-.2232
.460		-.2232
.465		-.2232
.470		-.2232
.475		-.2232
.480		-.2232
.485		-.2232
.490		-.2232
.495		-.2232
.500		-.2232
.505		-.2232
.510		-.2232
.515		-.2232
.520		-.2232
.525		-.2232
.530		-.2232
.535		-.2232
.540		-.2232
.545		-.2232
.550		-.2232
.555		-.2232
.560		-.2232
.565		-.2232
.570		-.2232
.575		-.2232
.580		-.2232
.585		-.2232
.590		-.2232
.595		-.2232
.600		-.2232
.605		-.2232
.610		-.2232
.615		-.2232
.620		-.2232
.625		-.2232
.630		-.2232
.635		-.2232
.640		-.2232
.645		-.2232
.650		-.2232
.655		-.2232
.660		-.2232
.665		-.2232
.670		-.2232
.675		-.2232
.680		-.2232
.685		-.2232
.690		-.2232
.695		-.2232
.700		-.2232
.705		-.2232
.710		-.2232
.715		-.2232
.720		-.2232
.725		-.2232
.730		-.2232
.735		-.2232
.740		-.2232
.745		-.2232
.750		-.2232
.755		-.2232
.760		-.2232
.765		-.2232
.770		-.2232
.775		-.2232
.780		-.2232
.785		-.2232
.790		-.2232
.795		-.2232
.800		-.2232
.805		-.2232
.810		-.2232
.815		-.2232
.820		-.2232
.825		-.2232
.830		-.2232
.835		-.2232
.840		-.2232
.845		-.2232
.850		-.2232
.855		-.2232
.860		-.2232
.865		-.2232
.870		-.2232
.875		-.2232
.880		-.2232
.885		-.2232
.890		-.2232
.895		-.2232
.900		-.2232
.905		-.2232
.910		-.2232
.915		-.2232
.920		-.2232
.925		-.2232
.930		-.2232
.935		-.2232
.940		-.2232
.945		-.2232
.950		-.2232
.955		-.2232
.960		-.2232
.965		-.2232
.970		-.2232
.975		-.2232
.980		-.2232
.985		-.2232
.990		-.2232
.995		-.2232
1.000		-.2232



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TABULATED PRESSURE DATA - Q4228

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(RB4U17)

UPPER WING

ALPHA ( 1 ) = -.150 BETA ( 1 ) = -5.030

ARC97-716 Q422 01

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.950

.953

.965

.7784

.4728

.0612

ALPHA ( 1 ) = -.160 BETA ( 2 ) = -.060

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000

.020

.025

.040

.045

.050

.060

.085

.066

.034

.120

.163

.177

.193

.229

.250

.274

.339

.362

.400

.432

.437

.350

.365

.600

.650

.700

.725

.750

.760

.775

.638

.634

.650

.650

.650

.650

.650

.650

.650

.650

DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(RBAU17)

UPPER WING

ARC97-716 0422 01

ALPHA ( 1 ) = -.160 BETA ( 2 ) = -.060

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7830 .8870

X/CW

.837 .5686  
 .855 .3132  
 .903 .8236 .3667 .1065 .3442  
 .935 .9501  
 .953 .5916 .0296  
 .965 .8108  
 .969 .6789

ALPHA ( 1 ) = -.190 BETA ( 3 ) = 4.930

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7830 .8870

X/CW

.000 -.0655 -.0786 .3191 .5099 .5373 .4674 .5054  
 .020 .3613 .3733 .3321 .3364  
 .025 .2069  
 .040 .0044  
 .045 .1392  
 .050 -.0806 .1913 .1566 .1718 .1678  
 .063 .0663  
 .085 .0665  
 .086 .0605  
 .094 -.1030  
 .130 .0030  
 .163 .0028  
 .175 .0589  
 .193 .0090  
 .229 -.2226 -.1940 -.1915 -.1390  
 .250 .1161  
 .274  
 .339 -.0978  
 .362 .0346  
 .400  
 .432  
 .437 .0000  
 .497 .0000  
 .553 .0464  
 .555 .0000  
 .603  
 .650  
 .703 -.1413  
 .725 .0431  
 .750 .0434  
 .753 .0431  
 .760 .1631



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## DATE OF APR 75 TABULATED PRESSURE DATA - 04228

UPPER WING

ARC97-716 0422 01

ALPHA ( 1 ) = -.190 BETA ( 3 ) = 4.930

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.775				-.0275	-.0311	
.806			.2424			
.834	.2723			.2034	.0117	-.0045
.850						
.857			.5294			
.865	.4676			.5732	.0714	.0061
.900	.6857			.8039		
.905						
.930				.8286		.0088
.953			.7735			
.965	.5992					

ALPHA ( 2 ) = 10.070 BETA ( 1 ) = -5.160

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.000	-.0496	-.1644	.3043	.7523	.7654	.7277	.7470
.020				.1047	.2432	.1736	.1616
.025			-.0260				
.040		-.1056					
.045			-.1061				
.050	-.1021			-.0753	-.0528	-.0125	-.0440
.060				-.1799			
.065			-.1962				
.086		-.0845					
.094	-.1254			-.3374	-.2806	-.2476	-.2177
.150		.0000					
.163							
.177		-.1527					
.193							
.229	-.0668						
.250				-.3661	-.3795	-.3397	-.2705
.274			-.3670				
.339		-.2856					
.362	-.0787						
.430				-.3471	-.3494		-.2493
.492			-.3750				
.497	.0000						
.550				-.3568	-.3504		
.565			.0000				
.600							-.2536
.650							-.2876

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DATE 08 APR 75 TABULATED PRESSURE DATA - 0A228

(RBAU17)

UPPER WING

ARC97-716 0A22 01

ALPHA ( 2 ) = 10.070 BETA ( 1 ) = -5.160

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

X/CW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
.700	-.3179			-.3165		-.2660	-.2423
.725							
.750							
.760							
.775							
.800							
.834	-.0592						
.850							
.857							
.865							
.900							
.915							
.930							
.953							
.965							

ALPHA ( 2 ) = 10.070 BETA ( 2 ) = -.120

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

X/CW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
.000	-.2043	-.2403	.0800	.5780	.5109	.5651	.5691
.020							
.025							
.040							
.045							
.090	-.1846						
.090							
.095							
.096							
.094							
.150							
.165							
.170							
.193							
.229							
.250							
.274							
.339							
.352							
.400							
.402							
.487							





(RB4U17)

UPPER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22B

ARC97-716 0A22 01

ALPHA ( 2 ) = 10.070 BETA ( 2 ) = -.120

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
X/CW							
.330				-.3748	-.3605		
.565			.0000				-.2731
.600							
.650							
.700	-.3203						
.725							
.750							
.762							
.775							
.808							
.834	-.0771						
.850							
.857							
.865	.2898						
.900	.6685						
.925							
.950							
.955							
.965	.4694						

ALPHA ( 2 ) = 10.060 BETA ( 3 ) = 4.920

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
X/CW							
.330	-.2986	-.2986	-.1797	.3651	.4176	.3688	.3841
.520				-.2354	-.0637	-.1315	-.1552
.625							
.640							
.645							
.650							
.655							
.660							
.665							
.670							
.675							
.680							
.685							
.690							
.695							
.700							
.705							
.710							
.715							
.720							
.725							
.730							
.735							
.740							
.745							
.750							
.755							
.760							
.765							
.770							
.775							
.780							
.785							
.790							
.795							
.800							
.805							
.810							
.815							
.820							
.825							
.830							
.835							
.840							
.845							
.850							
.855							
.860							
.865							
.870							
.875							
.880							
.885							
.890							
.895							
.900							
.905							
.910							
.915							
.920							
.925							
.930							
.935							
.940							
.945							
.950							
.955							
.960							
.965							
.970							
.975							
.980							
.985							
.990							
.995							
1.000							

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(RBAULT)

UPPER WING

ALPHA ( 2 ) = 10.080		BETA ( 3 ) = 4.320		ARC97-716 Q422 01	
SECTION ( 1 ) UPPER WING		DEPENDENT VARIABLE CP			
Y/BW	X/CW				
.2980	.3640	.4270	.5340	.6750	.7800 .8870
.362	-.2515				
.400			-.4173	-.4254	-.3331
.402		-.3477			
.487	.0300				
.590			-.4413	-.4177	
.565		.0000			
.600					
.650					-.2765
.700	-.3309			-.3678	
.725			-.1738	-.1650	
.750					
.760		-.1477			-.3371
.775			-.1425	-.3337	-.2593
.808		-.0718			
.834	-.0267				
.850			-.0885	-.2569	-.3394
.857		.1497			
.865	.1888				
.900	.3117		.0529		-.2443
.905		.2030	-.1988		
.930			.1536	-.3137	
.933		.2139			
.965	.4384				

ALPHA ( 3 ) = 20.300		BETA ( 1 ) = -5.360			
SECTION ( 1 ) UPPER WING		DEPENDENT VARIABLE CP			
Y/BW	X/CW				
.2980	.3640	.4270	.5340	.6750	.7800 .8870
.000	-.3110	-.2537	-.1533	.5134	.5317 .4660 .4173
.020				-.2606	-.1008
.325		-.2275			-.2858
.340		-.2462			
.345		-.2492			
.350	-.2844		-.3670	-.3377	-.3402
.363			-.4205		-.3771
.365		-.2810			
.386	-.2339				
.394					
.400	-.2889				
.450			-.4382	-.4561	-.4476
.463		.0000			-.4424
.477		-.3369			
.485		-.2603			



DATE 30 APR 75 TABULATED PRESSURE DATA - 0A228

(RBAU17)

UPPER WING

AR 47-710 0A22 01

ALPHA ( 3 ) = 20.300 BETA ( 1 ) = -5.360

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

X/CM .2990 .3640 .4270 .5340 .6730 .7800 .8870

Y/CM .229 -.2912

.290 -.4159 -.4568 -.4359 -.4112

.276 -.3810

.359 -.3499

.362 -.2889

.400 -.4452 -.4595 -.4062

.402 -.4319

.497 .0000

.590 -.4710 -.4574

.565 .0000

.600 -.4178

.650 -.2428

.700 -.4486

.725 -.2392

.750 -.4247 -.4174

.775 -.2111

.800 -.1540

.834 -.3774 -.4154 -.3845

.857 -.0064

.865 -.2874 -.3965 -.4032

.900 -.0184

.915 -.0008

.930 -.2780 -.3597

.953 -.0864

.965 -.1223

ALPHA ( 3 ) = 20.310 BETA ( 2 ) = -.070

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

X/CM .2990 .3640 .4270 .5340 .6730 .7800 .8870

Y/CM .300 -.4003 -.3499 -.3282 .2967 .3314 .2674 .2176

.320 -.3701 -.2270 -.3324 -.3762

.325 -.3172

.340 .3485

.345 -.3362

.380 -.4514 -.4153 -.4226 -.4271

.383 -.4436

.385 -.3378

.386 -.322

.4110

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(RB4017)

UPPER WING

ALPHA ( 3 ) = 20.310 BETA ( 2 ) = -.070

ARC97-716 0422 01

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.150							
.163							
.177							
.193							
.229							
.250							
.274							
.339							
.352							
.409							
.402							
.437							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

ALPHA ( 3 ) = 20.330 BETA ( 3 ) = 5.360

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000							
.020							
.025							
.040							
.045							
.050							



(RB4U17)

UPPER WING

ALPHA ( 3 ) = 20.330 BETA ( 3 ) = 5.360

ARC57-716 0422 01

SECTION ( 1 ) UPPER WING

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW						
.080						
.085						
.090						
.094						
.100						
.103						
.107						
.113						
.117						
.123						
.129						
.133						
.137						
.143						
.147						
.153						
.157						
.163						
.167						
.173						
.177						
.183						
.187						
.193						
.197						
.203						
.207						
.213						
.217						
.223						
.227						
.233						
.237						
.243						
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.273						
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.673						
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.703						
.707						
.713						
.717						
.723						
.727						
.733						
.737						
.743						
.747						
.753						
.757						
.763						
.767						
.773						
.777						
.783						
.787						
.793						
.797						
.803						
.807						
.813						
.817						
.823						
.827						
.833						
.837						
.843						
.847						
.853						
.857						
.863						
.867						
.873						
.877						
.883						
.887						
.893						
.897						
.903						
.907						
.913						
.917						
.923						
.927						
.933						
.937						
.943						
.947						
.953						
.957						
.963						
.967						

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DATE 09 APR 75

TABULATED PRESSURE DATA - OA228

PAGE 3/2

(RB4U17)

UPPER WING

ARC97-716 OA22 O1

ALPHA ( 4 ) = 26.930 BETA ( 1 ) = -5.100

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.3340	.6730	.7800
.8870		
.000	-.4131	-.3031
.020		.2864
.025		.2754
.040		.1727
.045		.0821
.050		-.3990
.060		-.2942
.065		-.4025
.080		-.4356
.085		
.094		
.150		
.163		
.177		
.193		
.229		
.250		
.274		
.339		
.362		
.403		
.402		
.497		
.590		
.565		
.600		
.650		
.700		
.723		
.750		
.760		
.775		
.808		
.834		
.850		
.857		
.865		
.900		
.905		
.950		
.953		
.965		

(RB4U17)

UPPER WING

TABULATED PRESSURE DATA - 04228

ARC97-716 0422 01

ALPHA ( 4 ) = 26.960 BETA ( 2 ) = -.060

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270 .5340 .6730 .7800 .8870
.000	-.4681	-.4414
.020		.0459 .0561 -.0335 -.1138
.025		-.4508 -.3811 -.4540 -.4780
.040		-.4134
.045		-.4280
.050		-.4124
.060	-.4404	-.4932 -.5031 -.4985 -.4447
.065		-.4859
.066		-.4466
.094	-.4114	
.150	-.4665	-.4777 -.4951 -.4916 -.4906
.163	.0000	
.177		-.4732
.193	-.4419	
.229	-.4781	
.250		-.4258 -.4934 -.4899 -.4857
.274		-.4978
.339	-.4875	
.362	-.4323	
.400		-.4966 -.4964
.402		-.5217
.497	.0000	
.550		-.5039 -.4951
.565		.0000
.600		
.650		-.4879
.700	-.4661	-.4926
.725		-.3003
.750		
.760		-.3814
.775		-.4879 -.4787
.808		-.3090
.834	-.3985	
.850		-.4532 -.4857 -.4720
.857		-.3535
.865	-.3231	
.900	-.3069	-.4329
.905		-.3945
.950		-.4555
.953		-.4187
.965	-.3301	

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A228

(RB4U17)

UPPER WING

ALPHA ( 4 ) = 26.980 BETA ( 3 ) = 5.190

ARC97-716 0A22 01

SECTION ( 1 ) UPPER WING	DEPENDENT VARIABLE CP			
Y/SW	X/CM			
.2990	.3640	.4270	.5340	.6730 .7800 .8870
.3031	-.4678	-.4386	-.1793	-.1758 -.2314 -.2715
.020			-.4403	-.4350 -.4471 -.4315
.023		-.4603		
.040		-.4603		
.043		-.4714		
.050	-.4895		-.4485	-.4644 -.4588 -.4100
.060			-.4495	
.085		-.4707		
.086	-.4703			
.094	-.4970		-.4425	-.4681 -.4595 -.4347
.130		.0000		
.163		-.4907		
.177		-.4710		
.193	-.5162		-.4063	-.4678 -.4555 -.4297
.229			-.4603	
.230		-.5198		
.274				
.339	-.4612		-.4614	-.4651 -.4264
.362		-.4516		
.400			-.4660	-.4587
.437	.0000	.0000		
.530				-.4214
.565			-.4401	
.603			-.2950	
.630	-.4121		-.4013	-.4338 -.4120
.700		-.3477	-.3499	-.4353
.723		-.3220		
.750		-.3271		
.760			-.3829	-.4457 -.4174
.775				
.808	-.3370			
.834				
.870				
.837				
.865	-.3245		-.3953	
.900	-.2174		-.4155	-.4100
.905		-.3593	-.3926	-.3991
.930		-.3657		
.935				
.965	-.1700			





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ARC97-716 0422 01

(RB4U18) ( 28 JAN 74 )

UPPER WING

## REFERENCE DATA

SREF = 2.4210 50.FT. XMRP = 29.5800 INCHES  
 LREF = 36.7090 INCHES YMRP = .0000 INCHES  
 SREF = 78.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0300 SCALE

ALPHA ( 1 ) = -.140 BETA ( 1 ) = -5.090

## PARAMETRIC DATA

MAON = 2.200 ELEVON = -20.000  
 RUDDER = .000 SPOBRK = .000

SECTION ( 1 ) UPPER WING	DEPENDENT VARIABLE CP	
Y/BW		
.000	.2990	.3640
.020	.4270	.5340
.040	.6730	.7800
.060	.8000	.8562
.080	.6312	.6527
.100	.3776	
.120	.1015	
.140	.2930	
.160	.4502	.4313
.180	.4541	.4493
.200	.2833	
.220	.1817	
.240	.1397	
.260	.0746	
.280	.0719	.1261
.300	.1782	.2163
.320	.0341	
.340	.0341	
.360	.0371	
.380	-.0255	
.400	-.0446	
.420	-.0446	-.0018
.440	.0274	.0623
.460	-.1199	
.480	-.1274	-.1089
.500	-.0822	
.520	-.1640	-.1318
.540	.0000	
.560	-.0329	
.580	-.0257	
.600	-.0030	
.620	.0441	.0609
.640	.0360	.0723
.660	.0073	
.680	.0083	
.700	.0536	.0500
.720	.1993	.1993
.740	.2293	
.760	.1191	
.780	.3689	.1043
.800	.2707	

(RB4U18)

UPPER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - OA228

ARC97-716 OA22 O1

ALPHA ( 1 ) = -.140 BETA ( 1 ) = -5.090

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.990				.1661		.2600	
.953			.5122				
.965	.6973						

ALPHA ( 1 ) = -.170 BETA ( 2 ) = .080

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	.0404	.0321	.3396	.7579	.6976	.6463	.7043
.020			.2663	.9013	.5140	.4977	.5077
.023		.0369					
.040			.1783				
.045				.3027	.3028	.3289	.3313
.090	.0336			.1740			
.080			.0909				
.085		.0658					
.086							
.094	.0104			.0043	.0492	.0913	.1305
.130		.0030					
.163			-.0212				
.177		.0337					
.193							
.229	-.0122			-.0784	-.0537	-.0276	.0053
.250			-.0567				
.274		-.0663					
.339							
.362	.0073			-.1486	-.1384		-.1149
.400			-.1354				
.402							
.497	.0000			-.1744	-.1066		
.550			.0000				
.565							
.600							
.650							
.700	-.0886						
.725				-.0153		-.0057	-.1323
.750					-.0342		
.760			.0307			.0053	.0562
.773				-.0057	.0047		
.808			.0692				
.834	.0581						
.853				.0643	.0180	.0879	



(RB4U18)

DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

UPPER WING

ARC97-716 0422 01

ALPHA ( 1 ) = -.170 BETA ( 2 ) = .080

SECTION ( 1 ) UPPER WING	DEPENDENT VARIABLE CP
V/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870	
X/CW	
.857	.2014
.865	
.900	.1466
.905	.3318
.930	.0456
.933	.2175
.965	.4681
.4689	.1601

ALPHA ( 1 ) = -.200 BETA ( 3 ) = 4.870

SECTION ( 1 ) UPPER WING	DEPENDENT VARIABLE CP
V/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870	
X/CW	
.000	.2350
.023	.6205
.025	.3428
.040	.1296
.045	.0864
.050	.1884
.063	.0905
.065	.0219
.066	.0026
.094	.0414
.150	.0000
.163	.0000
.177	.0492
.193	.0054
.229	.0601
.230	
.274	.0681
.339	.0809
.362	.0107
.400	
.402	.1412
.497	.0000
.550	
.565	.1811
.605	.0500
.650	
.750	.1025
.725	
.753	.0282
.760	.3334

.000	.0047	-.0333	.2350	.6205	.5681	.5320	.5729
.023				.3428	.3976	.3610	.3874
.025							
.040		-.0296					
.045			.0864				
.050	-.0239			.1884	.2227	.2316	.2368
.063				.0905			
.065			.0219				
.066		-.0026					
.094	-.0414			-.0338	.0062	.0344	.0670
.150							
.163		.0000					
.177			-.0492				
.193		-.0054					
.229	-.0601						
.230				-.0965	-.0843	-.0659	-.0355
.274			-.0681				
.339		-.0809					
.362	-.0107			-.1535	-.1566		-.1368
.400			-.1412				
.402							
.497	.0000			-.1811	-.0880		
.550							
.565			.0500				
.605							
.650							-.0240
.750	-.1025				-.0025		
.725				-.0397			
.753			-.0282				
.760					-.0033	.0018	

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(RB4U18)

DATE 09 APR 73

UPPER WING

TABULATED PRESSURE DATA - 04228

ARC97-716 0422 01

ALPHA ( 1 ) = -.200 BETA ( 3 ) = 4.870

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CU

.773  
.808  
.834  
.850  
.857  
.865  
.900  
.905  
.930  
.935  
.965  
-.0174  
-.0290  
.0756  
.0684  
.0340  
.0056  
.2341  
.1676  
.0783  
.3232  
.2499  
.0187  
.5015  
.3859

ALPHA ( 2 ) = 10.100 BETA ( 1 ) = -4.900

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CU

.000  
.020  
.025  
.040  
.045  
.053  
.060  
.065  
.086  
.094  
.120  
.163  
.177  
.193  
.229  
.230  
.274  
.339  
.362  
.400  
.402  
.497  
.550  
.565  
.600  
.630  
-.0108  
-.0900  
-.3474  
-.9158  
-.9017  
-.8906  
-.9063  
.3197  
.4402  
.4005  
.4037  
-.0348  
.0230  
.1354  
.1763  
.2136  
.2035  
-.0241  
-.0370  
-.0147  
-.0959  
.0000  
-.1421  
-.0245  
-.1534  
-.1379  
-.1115  
-.0803  
-.1681  
-.1279  
.0113  
-.2281  
-.2014  
-.1721  
-.2095  
-.2482  
-.2260  
.0000  
-.1591  
-.1774



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UPPER WING

(RB4U18)

ALPHA ( 2 ) = 10.100 BETA ( 1 ) = -4.980

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
X/CW							
.730	-.1646			-.1672			
.725						-.1523	-.1192
.750							
.760			-.1036				
.775				-.1421	-.1352		
.808			-.3556				
.834	-.1464						
.850				-.1006	-.0862	-.0570	
.857			.0110				
.865	-.0963						
.900	.2089		-.0655				.0762
.905			.0524	-.0279			
.930			-.0464			.0145	
.955			.0916				
.965	.3327						

ALPHA ( 2 ) = 10.100 BETA ( 2 ) = .110

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
X/CW							
.000	-.1237	-.1197	.1609	.6953	.7253	.6781	.7140
.020				.1412	.2380	.2523	.2484
.025			-.0444				
.040		-.1066					
.045			-.0803				
.050	-.1283			-.0024	.0646	.0973	.0672
.060				-.0789			
.065			-.1144				
.086		-.0680					
.094	-.1443						
.130					-.1678	-.1124	-.0815
.163		.0000					-.0536
.177							
.193		-.1051					
.229	-.1716						
.250							
.274					-.1747	-.1840	-.1582
.329		-.1648					-.1314
.362	-.0487						
.403					-.2520	-.2306	-.2016
.432							
.487	.3000		-.2162				

(RB4U18)

UPPER WING

ARC97-716 0422 01

ALPHA ( 2 ) = 10.100 BETA ( 2 ) = .110

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
K/CV							
.350				-.2574	-.2468		
.565				.0000			
.600							-.2006
.650							
.700	-.2011				-.1306	-.2095	
.725				-.2147			
.750							-.1941
.760				-.1406			-.1617
.775				-.2000	-.1754		
.808				-.0863			
.834	-.1704						
.850				-.1639	-.1380	-.1282	
.857				-.0046			
.865	-.1277						
.900	.0301			-.1342	-.0959		.0063
.905				.0351			
.930				-.1087		-.0720	
.933							
.965	.2274						

ALPHA ( 2 ) = 10.080 BETA ( 3 ) = 4.830

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
K/CV							
.000	-.1970	-.1627	-.0331	.4814	.5598	.3275	.5513
.050				-.0339	.1661	.1272	.1287
.085				-.1327			
.040		-.1675					
.045			-.1474				
.050	-.1738			-.1072	-.0308	.0363	-.0016
.060				-.1631			
.065				-.1528			
.086		-.1513					
.034	-.1987						
.150				-.2157	-.1683	-.1346	-.1137
.163		.0003					
.177				-.1903			
.193		-.1684					
.228	-.2157						
.290				-.1901	-.2133	-.1944	-.1758
.274							
.338				-.2035			
							-.1983



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UPPER WING

DATE 09 APR 73 TABULATED PRESSURE DATA - 04220

ARC97-716 0422 01

ALPHA ( 2 ) = 10.080 BETA ( 3 ) = 4.830

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

V/BW	.2893	.3640	.4270	.5340	.6730	.7600	.8870
W/CW							
.362	-.1367			-.2611	-.2526		-.2216
.400			-.2265				
.402							
.497	.0000						
.550				-.2470	-.2366		
.565			.0000				-.2116
.600							
.630						-.2096	
.700	-.2111				-.1236		
.725				-.2313			
.750						-.1895	-.1932
.760			-.1334				
.775			-.2276	-.1840			
.806			-.1119				
.834	-.1756						
.850				-.2024	-.1685	-.1641	
.857			-.0734				
.865	-.0903						
.920	.1636		-.1648		-.1503		-.1196
.935			-.0439				
.950			-.1433			-.1295	
.955			.0093				
.955	.2231						

ALPHA ( 3 ) = 20.360 BETA ( 1 ) = -6.060

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

V/BW	.2890	.3640	.4270	.5340	.6730	.7600	.8870
W/CW							
.000	-.1347	-.1547	.1416	.7976	.8545	.8054	.8094
.020				.0527	.2369	.1516	.1196
.325			-.1291				
.340		-.1294					
.045			-.1286				
.050	-.1320			-.0756	-.0126	.0069	-.0167
.360				-.1368			
.065			-.1506				
.066		-.1118					
.284	-.1447						
.190				-.2127	-.1628	-.1363	-.1259
.163		.0070					
.177			-.2046				
.193		-.1258					

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DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(R04016)

UPPER WING

ARC97-716 0422 O<sub>2</sub>

ALPHA ( 3 ) = 20.380 BETA ( 1 ) = -6.020

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE C<sub>p</sub>

Y/OW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.229	-.1773					
.230						
.274		-.2227				
.339	-.1787					
.362						
.400						
.402		-.2344				
.497	.0000					
.550						
.565						
.600		.0000				
.630						
.700	-.2120					
.725						
.750						
.760						
.775						
.808						
.834	-.1622					
.850						
.857						
.865						
.900						
.905						
.930						
.950						
.965						

ALPHA ( 3 ) = 20.380 BETA ( 2 ) = .130

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE C<sub>p</sub>

Y/OW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.000	-.1996	-.2170	-.0770	.5036	.5844	.5395
.070				-.0909	.0600	-.0033
.085						
.040						
.045						
.050						
.060						
.065						
.066						
.084						





DATE 09 APR 75 TABULATED PRESSURE DATA - 0A228

(R84U10)

UPPER WING

ARC97-716 0A22 01

ALPHA ( 3 ) = 20.390 BETA ( 2 ) = .150

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.150							
.163		.0000					
.177							
.193							
.229							
.250							
.274							
.339							
.352							
.400							
.402							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.806							
.834							
.850							
.857							
.865							
.900							
.905							
.930							
.953							
.965							

-.2472 -.2178 -.2000 -.1949

-.2282

-.2086

-.2285

-.2300

-.2309

-.2292

-.2515

-.2632

-.2617

-.2571

-.2568

-.2539

-.2566

-.2448

-.2273

-.2245

-.2275

-.2010

-.2017

-.1998

-.1675

-.1988

-.2011

-.1636

-.2010

-.1392

-.1050

ALPHA ( 3 ) = 20.400 BETA ( 3 ) = 4.910

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000							
.020							
.025							
.040							
.045							
.050							

-.2307 -.2412 -.1641 .2846 .3867 .3472 .3445

-.2102

-.2249

-.2268

-.2245

-.1826

-.1739

-.1645

DATE 09 APR 75

TABULATED PRESSURE DATA - 0A22B

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ALPHA ( 3 ) = 20.400 BETA ( 3 ) = 4.910

SECTION ( 1 ) UPPER WING

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

-.2460

.080

-.2266

.065

-.2310

.086

-.2373

.094

.0000

.150

-.2479

.163

-.2330

.177

-.2529

.193

-.2567

.229

-.2619

.230

-.2567

.274

-.2367

.339

-.2569

.352

-.2617

.400

-.2650

.402

-.2623

.497

-.2570

.550

.0000

.565

-.2563

.600

-.2569

.650

-.2569

.700

-.2569

.725

-.2569

.750

-.2569

.760

-.2569

.775

-.2569

.808

-.2569

.834

-.2569

.850

-.2569

.857

-.2569

.865

-.2569

.900

-.2569

.905

-.2569

.950

-.2569

.953

-.2569

.965

UPPER WING

(RB4U16)



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A228

(RB4U18)

UPPER WING

ARC97-716 0A22 01

ALPHA ( 4 ) = 27.030 BETA ( 1 ) = -5.120

DEPENDENT VARIABLE CP

SECTION ( 1 ) UPPER WING

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CX

.000	-.1638	-.2040	.0038	.6343	.7166	.8411	.6045
.020				-.0657	.0941	-.0093	-.0508
.023							
.040							
.043							
.050							
.060							
.063							
.066							
.094							
.130							
.163							
.177							
.193							
.229							
.250							
.274							
.339							
.362							
.400							
.402							
.497							
.550							
.565							
.600							
.630							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.930							
.935							
.965							

(RB4U18)

UPPER WING

DATE 09 APR 75 TABULATED PRESSURE DATA - OA228

ARC97-716 OA22 O1

ALPHA ( 4 ) = 27.070 BETA ( 2 ) = .090

SECTION ( 1 ) UPPER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.2039	-.2320	-.1192	.4028	.4723	.4252	.3923
.020				-.1499	-.0228	-.1030	-.1308
.025				-.2080			
.040		-.2189					
.045			-.2231				
.050	-.2250			-.2155	-.1816	-.1820	-.1759
.060				-.2363			
.065				-.2226			
.086		-.2221					
.094	-.2311			-.2464	-.2461	-.2394	-.2444
.150		.0000					
.163			-.2494				
.177		-.2300					
.193							
.229	-.2467			-.1879	-.2560	-.2564	-.2589
.250			-.2573				
.274		-.2544					
.339							
.362	-.2431			-.2547	-.2555		-.2562
.400			-.2640				
.402							
.497	.0000			-.2591	-.2535		
.530							
.565			.0000				-.2589
.600					-.2569		
.650							
.700	-.2460			-.2567	-.1360		
.725						-.2379	-.2488
.750							
.760			-.2346	-.2539	-.2270		
.775			-.2199				
.806							
.834	-.2448			-.2497	-.2369	-.2413	
.850			-.1720				
.857							
.865	-.2448						
.900	-.2357			-.2470			-.2372
.905			-.1919	-.2361			
.950			-.2391		-.2394		
.953			-.2133				
.965	-.2235						



DATE 29 APR 75

TABULATED PRESSURE DATA - 0A228

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ALPHA ( 4 ) = 27.090

BETA ( 3 ) = 5.110

(R84U18)

UPPER WING

SECTION ( 1 ) UPPER WING

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.2299	-.2414	-.1724	.1775	.2769	.2312	.1922
.020				-.2013	-.1095	-.1679	-.1832
.025			-.2494				
.040		-.2369					
.045			-.2507				
.050	-.2521			-.2476	-.2226	-.2271	-.1974
.060				-.2476			
.065			-.2514				
.066		-.2500					
.094	-.2479						
.150				-.2471	-.2552	-.2438	-.2376
.163		.0000					
.177			-.2570				
.193		-.2507					
.229	-.2669						
.250				-.1903	-.2552	-.2428	-.2354
.274			-.2526				
.339		-.2605					
.362	-.2638						
.400				-.2587	-.2515		-.2374
.402			-.2524				
.497	.0000						
.590				-.2629	-.2483		
.565			.0000				
.600							-.2374
.650						-.2419	
.700	-.2282				-.1356		
.725				-.2565			
.750						-.2303	-.2283
.760			-.2114				
.775				-.2585	-.2290		
.806			-.1837				
.834	-.2036						
.850				-.2459	-.2350	-.2276	
.837			-.1822				
.865	-.1929						
.900	-.1881			-.2351			-.2276
.905			-.2178		-.2300		
.950				-.2252		-.2244	
.955			-.2110				
.965	-.1749						

(RB4R05) ( 10 OCT 75 )

RIGHT VERTICAL

## REFERENCE DATA

SREF = 2.4210 50-FT. XMRP = 29.5800 INCHES  
 LREF = 36.7090 INCHES YMRP = .0000 INCHES  
 BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0300 SCALE

MAOM ( 1 ) = 2.201 BETA ( 1 ) = -5.390  
 SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .2269 .3926 -.0673 .1475 .1256  
 .050 .1639 .2289 -.0732 -.1751 -.1588  
 .150 .1439 .1859 -.0855 -.1736 -.1586  
 .300 .0467 .0700 -.1007 -.1260 -.1130  
 .520 -.0536 -.0512 -.0990 -.1160 -.0800  
 .685 -.1951 -.2113 -.1743 -.2090 -.1843  
 .775 -.2325 -.2219 -.1797 -.2192 -.2054  
 .900 -.2319 -.1316 -.2161 -.2084

MAOM ( 1 ) = 2.201 BETA ( 2 ) = -5.000  
 SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .2266 .4351 -.0297 .1646 .1341  
 .050 .1263 .2311 -.0533 -.1705 -.1543  
 .150 .1496 .1911 -.0696 -.1668 -.1504  
 .300 .0423 .0538 -.0879 -.1060 -.0936  
 .520 -.0500 -.0649 -.0893 -.0934 -.0701  
 .685 -.1958 -.2201 -.1752 -.1978 -.1764  
 .775 -.2029 -.2324 -.1821 -.2198 -.1990  
 .900 -.2400 -.1314 -.2149 -.2076

MAOM ( 1 ) = 2.201 BETA ( 3 ) = -.230  
 SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .2156 .4914 .5172 .2298 .1886  
 .050 -.0543 -.0222 .0442 -.0138 .0343  
 .150 .0464 .0032 .0602 .0370 .0619  
 .300 -.0313 .1240 -.0014 .0226 .0293  
 .520 -.1266 -.2004 -.0753 .0372 .0116  
 .685 -.2244 .2393 -.2075 -.1671 .1492



## PARAMETRIC DATA

ALPHA = 27.000 ELEVON = .000  
 RUDDER = .000 SPOBRK = .000

DATE 09 APR 75

TABULATED PRESSURE DATA - 0A22B

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RIGHT VERTICAL

(RB4R03)

MACH ( 1 ) = 2.201 BETA ( 3 ) = -.230

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1580 .3160 .6000 .8400 .9250

X/CV

.775 -.2234 -.2576 -.2184 -.1937 -.1559  
.900 -.2558 -.1510 -.2003 -.1789

MACH ( 1 ) = 2.201 BETA ( 4 ) = 5.040

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1580 .3160 .6000 .8400 .9250

X/CV

.000 .2248 .2778 -.0544 .0671 .0881  
.050 -.1140 -.2681 -.1547 .0804 .1301  
.150 -.1029 -.2728 -.1421 .0619 .1104  
.300 .1585 -.2228 -.1285 .0453 .0724  
.520 .2131 .2144 .1525 .0583 .0382  
.685 .2400 .2433 .2295 .1562 .1161  
.775 .2368 .2305 .2372 .1809 .1333  
.900 .2184 .1717 .1836 .1402

ARC97-716 0422 01

RIGHT VERTICAL

(RB4R10) ( 10 OCT 75 )

## REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5000 INCHES  
 LRET = 36.7090 INCHES YMRP = .0000 INCHES  
 BRET = 36.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0300 SCALE

MACH ( 1 ) = 1.550 BETA ( 1 ) = -9.990

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 -.2983 -.4135 -.0192 .0589 .0421  
 .050 .3370 -.1928 -.2229 -.3387 -.3422  
 .150 .2943 -.1157 -.2132 -.3813 -.3482  
 .300 .1247 -.0714 -.2579 -.3681 -.3502  
 .520 -.0556 -.0876 -.3483 -.3199 -.3226  
 .685 -.3471 -.4334 -.4538 -.4751 -.4313  
 .775 -.3033 -.4394 -.4555 -.4705 -.4277  
 .900 -.4096 -.3724 -.3922 -.4067

MACH ( 1 ) = 1.550 BETA ( 2 ) = -5.070

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .6283 .3437 .3469 .2148 .1675  
 .050 .4642 .2151 .3047 -.3418 -.3651  
 .150 .3373 .1063 .1883 -.3583 -.3798  
 .300 .1361 -.0166 -.1203 -.2069 -.2268  
 .520 -.0323 -.1199 -.1538 -.1867 -.1403  
 .685 -.3063 -.4701 -.4738 -.4388 -.3691  
 .775 -.3395 -.4644 -.4985 -.4935 -.3909  
 .900 -.4365 -.4024 -.5097 -.4160

MACH ( 1 ) = 1.550 BETA ( 3 ) = .200

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .7914 .6723 .3415 .2010 .1878  
 .050 -.0314 -.1301 -.1314 -.1446 -.1274  
 .150 .0991 -.0641 -.0428 -.0536 -.0971  
 .300 -.0203 -.0817 -.0563 -.0355 -.0473  
 .520 -.1514 -.1573 -.0834 -.1122 -.0945  
 .685 -.3635 -.4952 -.4570 -.4244 -.3474





DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(RBAR10)

ARC97-715 0422 01

RIGHT VERTICAL

MACH ( 1 ) = 1.550 BETA ( 3 ) = .200

SECTION ( 1 ) RIGHT VERTICAL DEFICIENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.775 -.3458 -.4969 -.4728 -.4717 -.3672  
.900 -.4367 -.3441 -.4777 -.3397

MACH ( 1 ) = 1.550 BETA ( 4 ) = 5.010

SECTION ( 1 ) RIGHT VERTICAL DEFICIENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .6927 .3836 .3327 .1439 .1531  
.050 -.4415 -.4363 .1205 .0993 .1469  
.150 -.4691 -.3864 .0532 .0765 .1319  
.300 -.4215 -.2369 .0624 .0576 .0619  
.520 -.2869 -.3171 .0054 -.0495 -.0329  
.685 -.4353 -.4990 -.4283 -.4080 -.3068  
.775 -.2659 -.4462 -.4367 -.4634 -.3273  
.900 -.4227 -.3742 -.4572 -.3654

MACH ( 1 ) = 1.550 BETA ( 5 ) = 9.380

SECTION ( 1 ) RIGHT VERTICAL DEFICIENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 -.4115 -.4074 -.0352 -.0548 .0171  
.050 -.4696 -.4311 .0219 .0216 .2729  
.150 -.4683 -.3202 -.0083 .1679 .2409  
.300 -.3404 -.2256 .0112 .1572 .1468  
.520 -.2901 -.2384 -.0588 .0007 .0111  
.685 -.2951 -.3826 -.4176 -.3942 -.2813  
.775 -.2693 -.3382 -.4052 -.4494 -.2937  
.900 -.3023 -.3417 -.4347 -.3287

DATE 09 APR 75 TABULATED PRESSURE DATA - QAZ28

(RB4R10)

RIGHT VERTICAL

ARC97-716 QAZ2 01

MACH ( 2 ) = 2.201 BETA ( 1 ) = -10.170

SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 -.2242 -.2301 .0904 .1368 .0960  
 .050 .0061 -.2181 -.1336 -.1925 -.1975  
 .100 .1770 .1698 -.1195 -.2253 -.2065  
 .150 .1249 -.1300 -.1607 -.2311 -.2102  
 .200 .0457 -.0855 -.1818 -.2144 -.2021  
 .250 -.1527 -.2120 -.2324 -.2619 -.2463  
 .300 .775 -.1003 -.2193 -.2273 -.2734 -.2490  
 .350 .900 -.2244 -.1623 -.2343 -.2446

MACH ( 2 ) = 2.201 BETA ( 2 ) = -5.050

SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .2959 .0456 .3517 .2572 .2180  
 .050 .2700 .0760 .1156 .1340 .1323  
 .100 .3275 .0446 .1114 .1490 .1301  
 .150 .2307 .0441 .0954 .1282 .1179  
 .200 .0763 .0409 .0207 .1036 .0632  
 .250 .1535 .2127 .2285 .2102 .1811  
 .300 .775 .1637 .2266 .2399 .2436 .1996  
 .350 .900 .2268 .1623 .2455 .2086

MACH ( 2 ) = 2.201 BETA ( 3 ) = .060

SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .5214 .6902 .4116 .2514 .2334  
 .050 -.0368 .1076 .0661 .0236 .0445  
 .100 .2306 .1459 .1413 .0886 .1321  
 .150 .0325 .0372 .0851 .0716 .0723  
 .200 .0343 .1216 .0186 .0358 .0231  
 .250 .2385 .2375 .2183 .1382 .1331  
 .300 .775 .2109 .2562 .2343 .2563 .1540  
 .350 .900 .2338 .1581 .2402 .1177



DATE 03 APR 75 TABULATED PRESSURE DATA - 04229

(RB4R1D)

RIGHT VERTICAL

AR 17-716 0422 01

MACH ( 2 ) = 2.201 BETA ( 4 ) = 5.373

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/54	Y/54	CP
.1500	.3100	.6000 .9250
.0853	.0334	.0331 .1769 .1941
.2535	.2137	.2450 .1870 .2267
.2545	.1953	.1568 .1507 .2130
.1885	.1622	.1325 .1218 .1415
.1778	.1601	.0492 .0502 .0836
.2255	.2423	.2113 .1782 .1541
.2117	.2342	.2269 .2221 .1214
.2337	.1622	.2253 .1499

MACH ( 2 ) = 2.201 BETA ( 5 ) = 10.180

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/54	Y/54	CP
.1500	.3100	.6000 .9250
.2367	.2193	.0382 .0327 .0731
.2487	.1446	.1193 .2325 .2809
.2561	.1422	.1322 .2025 .2796
.2256	.1376	.0760 .1863 .2047
.1937	.1231	.0417 .0337 .1151
.2153	.2286	.1993 .1602 .1088
.2037	.2145	.2050 .1973 .0342
.2136	.1471	.1914 .1116

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REFERENCE DATA  
 3A223 = 2.4210 SQ. FT. XMR = 29.5000 INCHES  
 3A224 = 30.7000 INCHES YMR = .0000 INCHES  
 3A225 = 30.7000 INCHES ZMR = .0000 INCHES  
 SCALE = .0000 SCALE  
 PARAMETRIC DATA  
 ALPHA = 20.000 ELEVON = .000  
 RUDDER = -10.000 STICK = .000

WASH (1) = 1.550 BETA (1) = -3.330  
 SECTION (1) RIGHT VERTICAL DEPENDENT VARIABLE C

Z/84	.1500	.3160	.6000	.8400	.9250
W/24					
.000	-.2303	-.4382	-.0100	-.0768	-.0584
.050	.3753	-.1894	-.2150	-.3553	-.3301
.100	.2033	-.1193	-.2033	-.3553	-.3301
.150	.1274	-.0555	-.2485	-.3423	-.3401
.200	-.0326	-.0842	-.3107	-.3293	-.3307
.250	-.2472	-.2100	-.3249	-.2634	-.3343
.300	-.2393	-.2167	-.3322	-.2701	-.3423
.350	-.2515	-.2400	-.3273	-.2773	-.3752

WASH (1) = 1.550 BETA (2) = -5.080  
 SECTION (1) RIGHT VERTICAL DEPENDENT VARIABLE C

Z/84	.1500	.3160	.6000	.8400	.9250
W/24					
.000	-.6531	-.3050	-.3484	-.2359	-.1386
.050	.4625	.2167	-.5318	-.3125	-.2508
.100	.3402	.1093	-.4725	-.3339	-.3793
.150	.1387	-.0349	-.4210	-.4194	-.4218
.200	-.0485	-.1177	-.4742	-.4401	-.4200
.250	-.3641	-.2365	-.4249	-.4249	-.3264
.300	-.3339	-.2535	-.4243	-.4274	-.3182
.350	-.3331	-.2316	-.4232	-.4366	

WASH (1) = 1.550 BETA (3) = .180  
 SECTION (1) RIGHT VERTICAL DEPENDENT VARIABLE C

Z/84	.1500	.3160	.6000	.8400	.9250
W/24					
.000	.7960	.6960	.3330	-.2200	-.2142
.050	-.0564	-.1403	-.2103	-.3435	-.4203
.100	-.0976	-.0710	-.3292	-.4295	-.4295
.150	-.2248	-.0826	-.3114	-.3401	-.4147
.200	-.4159	-.1982	-.3893	-.4287	-.4263
.250	-.4243	-.2277	-.4167	-.4438	-.4233



DATE 20 APR 75 TABULATED PRESSURE DATA - 04220

(RB4R11)

RIGHT VERTICAL

ARCHIVE-750 0422 01

MACH ( 1 ) = 1.550 BETA ( 3 ) = .183

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE OF

Z/84 .1500 .3160 .6000 .8400 .9250

Y/C4

.775 -.3435 -.2510 -.1513 -.1505 -.2933  
.930 -.2820 -.1517 -.1532 -.3178

MACH ( 1 ) = 1.550 BETA ( 4 ) = 5.000

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE OF

Z/84 .1500 .3160 .6000 .8400 .9250

Y/C4

.220 .6313 .3343 .3262 .1632 .1876  
.090 -.4324 -.4143 .3314 .1170 .1491  
.150 -.4366 -.3601 .3814 .1947 .1152  
.330 -.4308 -.2882 .3663 .0749 .0633  
.520 -.2887 -.3376 .3331 .3193 .3209  
.645 -.4231 .3643 .3335 .3531 .2353  
.775 -.2535 .3560 .3589 .3641 .2285  
.930 .3185 .3572 .3738 .2556

MACH ( 1 ) = 1.550 BETA ( 5 ) = 9.970

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE OF

Z/84 .1500 .3160 .6000 .8400 .9250

Y/C4

.330 -.4123 -.4359 -.3253 -.3242 .0601  
.050 -.4201 -.4013 .3552 .2368 .2784  
.150 -.4866 -.3155 .3116 .2331 .2256  
.330 -.3402 .2186 .3238 .1723 .1582  
.520 .2873 .3193 .3312 .3072 .3451  
.645 .2202 .3103 .3349 .3348 .3157  
.775 .2591 .3105 .3112 .3335 .3122  
.930 .3174 .3324 .3332 .3134

ORIGINAL PAGE 13  
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(RB4R11)

RIGHT VERTICAL

DATE 09 APR 75 TABULATED PRESSURE DATA - D4228

ARC97-TIC D422 DI

WACH (2) = 2.201 BETA (1) = -10.100

SECTION (1) RIGHT VERTICAL DEPENDENT VARIABLE C'

Z/84 .1500 .3160 .6000 .8400 .9250

W/64  
 .000 -1.2228 -1.2283 .0843 .1561 .1209  
 .050 .0326 -1.2235 -1.1394 -1.1979 -1.1462  
 .100 .1036 -1.1302 -1.1156 -1.2116 -1.2030  
 .150 .1263 -1.1297 -1.1267 -1.2143 -1.2046  
 .200 .1469 -1.0844 -1.1720 -1.1833 -1.1868  
 .250 .1150 -1.1112 -1.1745 -1.1563 -1.2071  
 .300 .1161 -1.1057 -1.1775 -1.1701 -1.2301  
 .350 .1112 -1.1003 -1.1683 -1.1643 -1.2118

WACH (2) = 2.201 BETA (2) = -5.300

SECTION (1) RIGHT VERTICAL DEPENDENT VARIABLE C'

Z/84 .1500 .3160 .6000 .8400 .9250

W/64  
 .000 .3267 .0853 .3523 .2761 .2416  
 .050 .2421 .0841 -1.1120 -1.1333 -1.1277  
 .100 .3305 .0542 -1.1137 -1.1262 -1.1251  
 .150 .2538 .0492 -1.0833 -1.1035 -1.1033  
 .200 .1794 .0364 -1.0735 -1.0763 -1.0735  
 .250 .1158 -1.0598 -1.0642 -1.0851 -1.1460  
 .300 .1174 -1.0726 -1.0775 -1.0837 -1.1121  
 .350 .1183 -1.0502 -1.0865 -1.0903

WACH (2) = 2.201 BETA (3) = .050

SECTION (1) RIGHT VERTICAL DEPENDENT VARIABLE C'

Z/84 .1500 .3160 .6000 .8400 .9250

W/64  
 .000 .3297 .7183 .4144 .2749 .2622  
 .050 .1337 .1187 .0704 .0396 .0504  
 .100 .2314 .1456 .1363 .1174 .1125  
 .150 .0559 .0397 .0462 .0414 .0767  
 .200 .1070 .1203 .0171 .0310 .0367  
 .250 .1236 -1.1022 -1.0436 -1.1163 -1.1119  
 .300 .1262 -1.1767 -1.0796 -1.0773 -1.1166  
 .350 .1183 -1.1653 -1.0241 -1.0319 -1.1333



DATE 03 APR 75 TABULATED PRESSURE DATA - 04229

(RB411)

RIGHT VERTICAL

ARC97-716 0422 01

MACH ( 2 ) = 2.201 BETA ( 4 ) = 5.063

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV	.1580	.3160	.6000	.8400	.9250
X/CV					
.000	.0391	.0054	.3032	.2021	.2203
.050	-.2553	-.2198	.2440	.2041	.2264
.100	-.2562	-.1972	.1622	.1785	.1972
.150	-.1908	-.1663	.1055	.1431	.1455
.200	-.1802	-.1677	.0438	.0791	.0879
.250	-.2243	-.1906	-.0208	.0437	-.0655
.300	-.2035	-.1928	-.0150	.0205	-.0753
.350	-.1741	.0073	.0232	.0232	-.0342

MACH ( 2 ) = 2.201 BETA ( 5 ) = 10.170

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV	.1580	.3160	.6000	.8400	.9250
X/CV					
.000	-.2417	-.2158	-.0746	.0583	.1047
.050	-.2471	-.1479	.1297	.2559	.2901
.100	-.2537	-.1394	.1032	.2274	.2040
.150	-.2234	-.1382	.0816	.2027	.2103
.200	-.1866	-.1232	.0386	.1183	.1250
.250	-.2121	-.1239	-.0039	.0398	-.0232
.300	-.2067	-.1178	.0234	.0810	-.0176
.350		-.1159	.0412	.0847	-.0428

DATE 03 APR 75 TABULATED PRESSURE DATA - 0A228

(R84R12) ( 08 OCT 73 )

RIGHT VERTICAL

ARC97-716 0A22 01

PARAMETRIC DATA

BETA = .000 ELEVON = .000  
RUDDER = .000 SPDBRK = 55.000

REFERENCE DATA

3REF = 2.4210 50.FT. XMRP = 29.5800 INCHES  
CRD = 38.7030 INCHES YMRP = .0000 INCHES  
BREF = 38.7030 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = 1.550 ALPHA ( 1 ) = -1.140

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV	.1500	.3160	.6000	.8400	.9250
X/CV					
.000	.7513	.6766	.6511	.5936	.6125
.050	.2146	.1700	.0748	.0849	.0494
.100	.3226	.2336	.1965	.2319	.2435
.200	.1923	.1492	.1638	.3227	.4761
.320	.0858	.0899	.4761	.6030	.5084
.685	-.3088	.4572	.6078	.5485	-.0727
.775	-.3013	.3183	.5324	.5695	-.1132
.900		.2302	.4566	.3599	-.2093

MACH ( 1 ) = 1.550 ALPHA ( 2 ) = 10.090

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV	.1500	.3160	.6000	.8400	.9250
X/CV					
.000	.6534	.5046	.4304	.3718	.3633
.050	.0605	.0743	-.0076	-.0087	-.0337
.100	.2248	.1176	.0726	.0372	.1036
.200	.0687	.0337	.0346	.0696	.1905
.320	-.0379	-.0367	.2733	.3899	.3337
.685	-.3455	.3030	.4045	.3534	-.1366
.775	-.2979	.1908	.3443	.3358	-.1844
.900		.1240	.2758	.2722	-.2860

MACH ( 1 ) = 1.550 ALPHA ( 3 ) = 23.330

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV	.1500	.3160	.6000	.8400	.9250
X/CV					
.000	.7929	.6664	.3368	.2190	-.2034
.050	-.0032	-.1393	-.1057	-.1018	-.1256
.100	.0788	-.0715	-.0264	-.0455	-.0319
.200	-.0030	-.0904	-.0008	-.0462	-.0263
.320	-.1109	-.1020	.1514	.2584	-.1845
.685	-.3844	.2299	.3219	.2340	-.1669





DATE 09 APR 75

TABULATED PRESSURE DATA - 34228

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(R84R12)

RIGHT VERTICAL

ARC37-716 3422 01

MACH ( 1 ) = 1.550 ALPHA ( 3 ) = 25.330

SECTION ( 1 ) RIGHT VERTICAL

DEPENDENT VARIABLE CP

Z/8V .1580 .3160 .6000 .8400 .9250  
X/CV

.775 -.3472 .1164 .2703 .2671 -.2162  
.900 .0677 .2221 .1966 -.3002

MACH ( 1 ) = 1.550 ALPHA ( 4 ) = 26.970

SECTION ( 1 ) RIGHT VERTICAL

DEPENDENT VARIABLE CP

Z/8V .1580 .3160 .6000 .8400 .9250  
X/CV

.000 .8162 .9611 .4418 .1928 .1556  
.050 -.0990 -.2277 -.1583 -.1368 -.1608  
.150 -.3190 -.2949 -.0834 -.0712 -.0672  
.200 -.1096 -.3263 -.1127 -.0834 -.0886  
.250 -.2139 -.2862 -.0617 .1768 .1322  
.300 -.4304 .0210 .3232 .2448 -.1536  
.775 -.3607 -.0147 .3289 .2948 -.2331  
.900 -.1038 .2897 .2176 -.2930

MACH ( 2 ) = 2.201 ALPHA ( 1 ) = -.140

SECTION ( 1 ) RIGHT VERTICAL

DEPENDENT VARIABLE CP

Z/8V .1580 .3160 .6000 .8400 .9250  
X/CV

.000 .6346 .6883 .6779 .6809 .6701  
.050 .0783 .1657 .0352 .1035 .0904  
.150 .3427 .3184 .2693 .1715 .1591  
.200 .2335 .2121 .2121 .2435 .2420  
.250 .1155 .1151 .0403 .4717 .4433  
.300 -.1404 .3791 .5416 .5531 .0791  
.775 -.1454 .3305 .4600 .5648 .0123  
.900 .2431 .4178 .5382 -.0429

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DATE 09 APR 75 TABULATED PRESSURE DATA - 0A223

(RB4R12)

RIGHT VERTICAL

ARC97-716 0A22 01

WACH ( 2 ) = 2.201 ALPHA ( 2 ) = 10.110

SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1580 .3160 .6000 .8400 .9250

X/6V

.000 .6168 .5230 .4805 .4330 .4264  
 .050 .1201 .1105 .0475 .0608 .0106  
 .150 .2679 .2114 .1599 .0904 .0902  
 .300 .1454 .1134 .1151 .1349 .1356  
 .520 .0279 .0031 .2188 .3144 .2314  
 .685 .1651 .2493 .3912 .1089 .0079  
 .775 .1654 .2007 .3424 .0659 .1040  
 .900 .1760 .3011 .3591 .1398

WACH ( 2 ) = 2.201 ALPHA ( 3 ) = 20.400

SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1580 .3160 .6000 .8400 .9250

X/6V

.000 .5319 .7450 .4229 .2874 .2597  
 .050 .0313 .0645 .0312 .0375 .0140  
 .150 .2531 .1629 .1003 .0320 .0306  
 .300 .1087 .0505 .0873 .0758 .0593  
 .520 .0486 .0393 .0501 .1820 .1743  
 .685 .1194 .1230 .2834 .2755 .0601  
 .775 .2076 .0580 .2458 .2370 .1017  
 .900 .0162 .2187 .2282 .1334

WACH ( 2 ) = 2.201 ALPHA ( 4 ) = 27.070

SECTION ( 1 ) RIGHT VERTICAL DEFENDENT VARIABLE CP

Z/8V .1580 .3160 .6000 .8400 .9250

X/6V

.000 .2086 .5045 .5363 .2729 .2185  
 .050 .0338 .0229 .0082 .0035 .0352  
 .150 .0537 .0273 .0729 .0374 .0343  
 .300 .0259 .1028 .0109 .0354 .0275  
 .520 .1189 .1888 .0010 .0037 .0577  
 .685 .2196 .0931 .1964 .2420 .1313  
 .775 .2146 .1236 .1481 .1753 .0873  
 .900 .1180 .1193 .1763 .1144



REFERENCE DATA      PARAMETRIC DATA

SREF = 2.4210 SQ.FT.      XMRP = 29.5800 INCHES      BETA = .0000      ELEVON = .0000  
 LREF = 38.7590 INCHES      YMRP = .0000 INCHES      RUDDER = .0000      SPDGRK = 85.0000  
 BREF = 38.7590 INCHES      ZMRP = .0000 INCHES  
 SCALE = .0000 SCALE

MACH ( 1 ) = 1.550      ALPHA ( 1 ) = -.130

SECTION ( 1 ) RIGHT VERTICAL		DEPENDENT VARIABLE CP
Z/BV	.1580 .3160 .6000 .8400 .9250	
X/CV		
.000	.7523 .6782 .6567 .6078 .8117	
.050	.2196 .1771 .0834 .4970 .6114	
.100	.3262 .2335 .2038 .5887 .6701	
.150	.1940 .1490 .5477 .7354 .6337	
.200	.0951 .1435 .6841 .7361 .5375	
.250	-.2938 .8622 .8369 .6765 .1358	
.300	-.2784 .7431 .9223 .6681 .12377	
.350	.6480 .7312 .4837 .13420	

MACH ( 1 ) = 1.550      ALPHA ( 2 ) = 10.100

SECTION ( 1 ) RIGHT VERTICAL		DEPENDENT VARIABLE CP
Z/BV	.1580 .3160 .6000 .8400 .9250	
X/CV		
.000	.6523 .5050 .4371 .3743 .4963	
.050	.0634 .0743 -.0110 .0710 .3828	
.100	.2273 .1165 .0845 .4161 .4199	
.150	.0719 .0320 .0710 .5371 .5090	
.200	-.0308 -.0350 .4357 .4909 .3261	
.250	-.3352 .6268 .6457 .4355 .1213	
.300	-.2815 .5441 .7137 .5273 .12243	
.350	.4821 .5552 .4260 .13721	

MACH ( 1 ) = 1.550      ALPHA ( 3 ) = 20.350

SECTION ( 1 ) RIGHT VERTICAL		DEPENDENT VARIABLE CP
Z/BV	.1580 .3160 .6000 .8400 .9250	
X/CV		
.000	.7986 .6759 .3421 .2221 .2869	
.050	-.0521 .1353 .1330 .1363 .2197	
.100	.0318 .0791 .0192 .1780 .2369	
.150	-.0262 .1375 .1026 .4060 .3337	
.200	-.1359 .1216 .2864 .2718 .1357	
.250	-.3887 .1241 .6344 .3245 .11170	

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DATE 03 APR 75 TABULATED PRESSURE DATA - 0A228

(RB4R13)

RIGHT VERTICAL

ARC97-715 0A22 01

MACH ( 1 ) = 1.550 ALPHA ( 3 ) = 20.350

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.775 -.3409 .5649 .6414 .4567 -.3050  
.900 .4753 .4885 .3646 -.3561

MACH ( 1 ) = 1.550 ALPHA ( 4 ) = 27.000

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

Y/CV

.000 .8154 .9607 .4502 .1906 .1856  
.050 -.0305 -.2113 -.1513 -.1217 .0452  
.150 -.0102 -.2835 -.0736 .0849 .2789  
.200 -.0371 -.0108 -.0257 .3238 .0235  
.250 -.2116 -.1120 .2838 .3127 .1353  
.300 -.3344 .2726 .5114 .3493 -.1204  
.775 -.3324 .4529 .6499 .4532 -.2931  
.900 .0339 .5213 .3226 -.3542

MACH ( 2 ) = 2.201 ALPHA ( 1 ) = -.130

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

Y/CV

.000 .7014 .6835 .6786 .6722 .6783  
.050 .0831 .1678 .1139 .1221 .0666  
.150 .3445 .3258 .2903 .1955 .2202  
.200 .2365 .2130 .2201 .6269 .6934  
.250 .1228 .1184 .5652 .6788 .5176  
.300 -.1326 .7950 .7522 .6421 .1644  
.775 -.1361 .6108 .8945 .8443 .0171  
.900 .5531 .7832 .8039 -.0861



DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(RB4R13)

RIGHT VERTICAL

ARC97-716 0422 DI

MACH ( 2 ) = 2.201 ALPHA ( 2 ) = 10.110

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3100 .6000 .8400 .9250

X/CV

.000 .6117 .5205 .4803 .4316 .4278  
 .050 .1239 .1083 .0648 .0771 .0375  
 .150 .2061 .2105 .1705 .0890 .1047  
 .300 .1448 .1147 .1160 .4192 .4026  
 .520 .0318 .0345 .0398 .4069 .3564  
 .685 .1158 .0676 .5403 .4923 .0745  
 .775 .1608 .4758 .7331 .6143 .0562  
 .900 .4557 .6088 .6448 .1546

MACH ( 2 ) = 2.201 ALPHA ( 3 ) = 20.400

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3100 .6000 .8400 .9250

X/CV

.000 .5372 .7402 .4273 .2843 .2633  
 .050 .0326 .0642 .0079 .0277 .0204  
 .150 .2486 .1618 .1040 .0303 .0706  
 .300 .1092 .0513 .0865 .2109 .3180  
 .520 .0481 .0373 .0132 .0190 .2397  
 .685 .1973 .4817 .5223 .3355 .0221  
 .775 .2054 .3608 .6437 .5223 .0010  
 .900 .2878 .5389 .4769 .1842

MACH ( 2 ) = 2.201 ALPHA ( 4 ) = 27.070

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3100 .6000 .8400 .9250

X/CV

.000 .2087 .5073 .5382 .2565 .2233  
 .050 .0535 .0249 .0055 .0098 .0382  
 .150 .0534 .0241 .0759 .0088 .0529  
 .300 .0264 .0040 .0164 .0324 .0421  
 .520 .1167 .1714 .0379 .2524 .1496  
 .685 .2197 .1094 .4832 .3847 .0003  
 .775 .2149 .0577 .5045 .5340 .0035  
 .900 .0000 .0000 .0000 .0000 .0000

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DATE 03 APR 75 TABULATED PRESSURE DATA - 04228

(RB4R14) ( 10 OCT 75 )

RIGHT VERTICAL

ARC97-716 3422 01

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000  
RUDDER = .000 SPODBRK = .000

REFERENCE DATA

SAF = 2.4210 50. FT. XREF = 29.5800 INCHES  
JREF = 38.7000 INCHES YREF = .0000 INCHES  
BREF = 38.7000 INCHES ZREF = .0000 INCHES  
SCALE = .0000 SCALE

WACH ( 1 ) = 2.201 BETA ( 1 ) = -5.070

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1580 .3160 .6000 .8400 .9250

X/CV

.000 .6367 .5228 .4758 .4336 .4191  
.050 .0583 .0206 -.0678 -.1220 -.1374  
.100 .1333 .0211 -.0545 -.1105 -.1064  
.150 .1283 .0267 .0137 -.0361 -.0646  
.200 .0109 .0152 .0337 .0020 .0230  
.250 -.1459 -.1822 -.1584 -.1387 -.1285  
.300 -.1826 -.1960 -.1638 -.1493 -.1491  
.350 -.1940 -.1159 -.1159 -.1159 -.1503

WACH ( 1 ) = 2.201 BETA ( 2 ) = .000

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1580 .3160 .6000 .8400 .9250

X/CV

.000 .5982 .5299 .4776 .4234 .4255  
.050 .1855 .1419 .0377 .0028 .0493  
.100 .3197 .2160 .1876 .1516 .1792  
.150 .1393 .1184 .1251 .1434 .1477  
.200 .0366 .0449 .0740 .0926 .1049  
.250 -.1606 -.1536 -.1304 -.0823 -.0306  
.300 -.1728 -.1521 .1365 .1202 .1112  
.350 -.1636 .0329 .1205 .1252

WACH ( 1 ) = 2.201 BETA ( 3 ) = 4.980

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1580 .3160 .6000 .8400 .9250

X/CV

.000 .3902 .4607 .4239 .3592 .3940  
.050 .4149 .4136 .3639 .3347 .3643  
.100 .2882 .3167 .3079 .3073 .3335  
.150 .1666 .2345 .2517 .2720 .2761  
.200 .3182 .1169 .1749 .1318 .2008  
.250 .1525 .1179 .10716 .10334 .10344



DATE 09 APR 75 TABULATED PRESSURE DATA - DA22B

(RB4R14)

RIGHT VERTICAL

ARC97-716 DA22 D1

MACH ( 1 ) = 2.201 BETA ( 3 ) = 4.983

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/0/ .1580 .3160 .6000 .8403 .9250

W/CV

.775 -.1587 -.1233 -.0765 -.0613 -.0555

.900 -.1312 -.0449 -.0613 -.0690

DATE 09 APR 75 TABULATED PRESSURE DATA - 0422B

(RB4R15) ( 26 JAN 74 )

RIGHT VERTICAL

ARC97-716 0422-01

PARAMETRIC DATA

MACH = 1.550 ELEVON = .000  
RUDDER = .000 SPOBRK = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. YARP = 29.5800 INCHES  
LREF = 38.7390 INCHES YARP = .0000 INCHES  
BREF = 38.7390 INCHES ZARP = .0000 INCHES  
SCALE = .0000 SCALE

ALPHA ( 1 ) = -.133 BETA ( 1 ) = -4.343

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE OF

Z/Y/ .1500 .3100 .6000 .8400 .9250

X/C/

.000 .7133 .5791 .6177 .5543 .5162  
.050 -.0432 -.1267 -.2815 -.3511 -.3491  
.100 .0716 -.0763 -.2398 -.3164 -.2798  
.150 .1040 .0062 -.0544 -.2168 -.1834  
.200 -.0011 -.0298 -.0328 -.0645 -.0451  
.250 -.0530 -.0287 -.0327 -.2353 -.2798  
.300 -.0523 -.0484 -.0324 -.3354 -.2815  
.350 -.0554 -.0380 -.0347 -.2347

ALPHA ( 1 ) = -.153 BETA ( 2 ) = .080

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE OF

Z/Y/ .1500 .3100 .6000 .8400 .9250

X/C/

.000 .7355 .6637 .6589 .5800 .5870  
.050 .1930 .1456 .0646 .0132 .0315  
.100 .3130 .2208 .1803 .2029 .2344  
.150 .1653 .1390 .1556 .1627 .1877  
.200 .0868 .0826 .0916 .0793 .1700  
.250 .0104 .0272 .0295 .0233 .0264  
.300 .0158 .0293 .0263 .0272 .0260  
.350 .0016 .0240 .0240 .0240 .0200

ALPHA ( 1 ) = -.170 BETA ( 3 ) = 9.043

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE OF

Z/Y/ .1500 .3100 .6000 .8400 .9250

X/C/

.000 .7082 .5186 .6014 .4829 .5225  
.050 .5454 .4406 .0250 .0235 .4091  
.100 .4231 .3474 .3749 .3759 .3393  
.150 .2778 .2746 .3586 .3248 .3112  
.200 .2105 .2185 .1972 .1451 .1543  
.250 .2522 .0224 .0217 .0220 .0200





DATE 03 APR 75 TABULATED PRESSURE DATA - 34228

(R84R15)

RIGHT VERTICAL

ARC37-716 3422 DI

ALPHA ( 1 ) = -1.170 BETA ( 3 ) = 5.040

SECTION ( 1 ) RIGHT VERTICAL DEFLECT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

W/CV

.775 -.2736 -.2287 -.1907 -.2586 -.2364  
.900 -.2350 -.1931 -.2519 -.2473

ALPHA ( 2 ) = 10.030 BETA ( 1 ) = -5.070

SECTION ( 1 ) RIGHT VERTICAL DEFLECT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

W/CV

.000 .6163 .4539 .4110 .3383 .3348  
.350 .3609 .1424 .3348 .3789 .3632  
.150 .1584 .0309 .2311 .3716 .3429  
.300 .3100 .0661 .1230 .2141 .2394  
.520 .1250 .1456 .1308 .1233 .1278  
.685 .2347 .4379 .3961 .3337 .3139  
.775 .2359 .4412 .3463 .3423 .3379  
.900 .3429 .3281 .3346 .3342

ALPHA ( 2 ) = 10.030 BETA ( 2 ) = .020

SECTION ( 1 ) RIGHT VERTICAL DEFLECT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

W/CV

.000 .6430 .4939 .4362 .3439 .3415  
.350 .0562 .0552 .0285 .0089 .0521  
.150 .2206 .1078 .0543 .0584 .1027  
.300 .0646 .0248 .0291 .0276 .0485  
.520 .0306 .0423 .0346 .0347 .0308  
.685 .0421 .0257 .0377 .0361 .0275  
.775 .0312 .0398 .0307 .0349 .0319  
.900 .0342 .0292 .0364 .0353 .0318

DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(RB4R15)

RIGHT VERTICAL

ARC97-716 0422 DI

ALPHA ( 2 ) = 10.000 BETA ( 3 ) = 5.010

SECTION ( HORIZONTAL VERTICAL DEPENDENT VARIABLE CP

Z/8V	.1500	.3160	.6000	.8400	.9250
K/C4					
.000	.6443	.4733	.3361	.2776	.3103
.050	.3389	.2976	.2454	.2406	.2148
.100	.2351	.2059	.1836	.2062	.2364
.150	.0890	.1121	.1501	.1745	.1791
.200	.0315	.0541	.0627	.0443	.0457
.250	.0215	.0258	.0260	.0277	.02484
.300	.0346	.0283	.0253	.0283	.02820
.350	.0380	.0287	.0258	.0258	.0294

ALPHA ( 3 ) = 20.320 BETA ( 1 ) = -5.340

SECTION ( HORIZONTAL VERTICAL DEPENDENT VARIABLE CP

Z/8V	.1500	.3160	.6000	.8400	.9250
K/C4					
.000	.5324	.2069	.3482	.2165	.1638
.050	.4726	.2280	.3051	.3087	.3669
.100	.2426	.1165	.1042	.2072	.3839
.150	.1406	.0060	.1334	.2361	.2411
.200	.0360	.1133	.1166	.1393	.1443
.250	.03612	.3833	.4010	.3591	.3526
.300	.03317	.3327	.3384	.4115	.3746
.350	.03354	.3342	.4204	.3662	

ALPHA ( 3 ) = 20.330 BETA ( 2 ) = -1.070

SECTION ( HORIZONTAL VERTICAL DEPENDENT VARIABLE CP

Z/8V	.1500	.3160	.6000	.8400	.9250
K/C4					
.000	.7851	.6675	.3427	.1979	.1816
.050	.0351	.1324	.1526	.1846	.1426
.100	.1235	.3358	.3493	.3833	.3647
.150	.0337	.0654	.0564	.0660	.0484
.200	.1406	.1150	.1162	.1537	.1393
.250	.02628	.4217	.3543	.3103	.3279
.300	.03320	.4214	.3606	.3246	.3593
.350		.4231	.3520	.3476	.3712



DATE 30 APR 75 TABULATED PRESSURE DATA - 14223

(RB4215)

RIGHT VERTICAL

AK-97-716 3422 01

ALPHA ( 3 ) = 20.343 BETA ( 3 ) = 5.253  
SECTION ( 1 ) RIGHT VERTICAL DEFICIENT VARIABLE OF

Z/B/ .1500 .3160 .6000 .8400 .9250

W/C/

.330 -.6075 .3556 .3311 .1355 .1476  
.253 -.4524 -.4199 .1379 .1094 .1550  
.153 -.4413 .3540 .3782 .0800 .1169  
.330 -.4255 .1974 .3611 .3502 .0645  
.420 .1335 .3265 .3143 .1708 .1316  
.645 .1418 .1401 .1301 .1236 .1281  
.775 .1234 .1419 .1240 .1342 .1312  
.930 .1328 .1271 .1300 .1318

ALPHA ( 4 ) = 26.950 BETA ( 4 ) = -5.712

SECTION ( 1 ) RIGHT VERTICAL DEFICIENT VARIABLE OF

Z/B/ .1500 .3160 .6000 .8400 .9250

W/C/

.330 .6537 .3754 .1341 .1283 .1285  
.353 .4614 .4534 .3070 .3823 .1562  
.153 .3269 .2577 .3382 .3543 .1348  
.330 .1329 .3754 .1324 .1248 .1256  
.420 .1322 .1368 .1327 .1262 .1231  
.645 .1525 .1384 .1211 .1103 .1262  
.775 .1348 .1405 .1374 .1401 .1419  
.930 .1403 .1343 .1451 .1452

ALPHA ( 4 ) = 26.970 BETA ( 4 ) = -1.150

SECTION ( 1 ) RIGHT VERTICAL DEFICIENT VARIABLE OF

Z/B/ .1500 .3160 .6000 .8400 .9250

W/C/

.330 .8123 .8495 .4574 .1653 .1295  
.353 .1352 .1674 .1628 .1232 .1759  
.153 .0232 .1248 .1628 .1155 .1031  
.330 .1316 .1284 .1343 .1110 .1092  
.420 .1184 .1283 .1158 .1138 .1146  
.645 .1434 .1456 .1370 .1279 .1364  
.775 .1373 .1456 .1374 .1416 .1372  
.930 .1418 .1343 .1451 .1452

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DATE 09 APR 75 TABULATED PRESSURE DATA - 04220

(R04R15)

RIGHT VERTICAL

ARC87-116 0422 01

ALPHA ( 4 ) = 27.000 BETA ( 3 ) = 5.510

SECTION 1 (RIGHT VERTICAL) DECREMENT VARIABLE CP

Z/84 .1190 .3100 .6000 .8400 .9250

Y/CV

.000 .0693 .1045 .2105 .0755 .0862  
.050 .0317 .0190 .0121 .0371 .0365  
.150 .0659 .0223 .0123 .0107 .0631  
.200 .0653 .0406 .0301 .0317 .0118  
.220 .0437 .0349 .0152 .0300 .0746  
.045 .0453 .0409 .0373 .0372 .0124  
.075 .0323 .0360 .0320 .0302 .0351  
.300 .0301 .0376 .0356 .0338



DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(RB4R16) ( 26 JAN 74 )

RIGHT VERTICAL

PARAMETRIC DATA

MACH = 2.200 ELEVON = .000  
RUDDER = .000 SFOBRK = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
LREF = 38.7990 INCHES YMRP = .0000 INCHES  
BREF = 38.7990 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

ALPHA ( 1 ) = -.120 BETA ( 1 ) = -4.980

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV	X/CV	CP
.1580	.3160	.6000
.1580	.3160	.8400
.1580	.3160	.9250
.0000	.6957	.6154
.0000	.6957	.6469
.0000	.6957	.6629
.0000	.6957	.6295
.0500	-.0587	-.0365
.0500	-.0587	-.1225
.0500	-.0587	-.1172
.1000	.0341	-.0617
.1000	.0341	-.0672
.1000	.0341	-.0751
.1000	.0341	-.0396
.1500	.1042	.1506
.1500	.1042	-.0162
.1500	.1042	-.0349
.1500	.1042	-.0114
.2000	.0635	.0639
.2000	.0635	.0899
.2000	.0635	-.0204
.2000	.0635	.0254
.2500	-.1509	-.1360
.2500	-.1509	-.1298
.2500	-.1509	-.1386
.2500	-.1509	-.1372
.3000	-.1747	-.1566
.3000	-.1747	-.1227
.3000	-.1747	-.1637
.3000	-.1747	-.1509
.3500	-.1647	-.0396
.3500	-.1647	-.1672
.3500	-.1647	-.1494

ALPHA ( 1 ) = -.120 BETA ( 2 ) = -4.300

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV	X/CV	CP
.1580	.3160	.6000
.1580	.3160	.8400
.1580	.3160	.9250
.0000	.6965	.6478
.0000	.6965	.6519
.0000	.6965	.6577
.0000	.6965	.6364
.0500	-.0434	-.0721
.0500	-.0434	-.0880
.0500	-.0434	-.1220
.0500	-.0434	-.0896
.1000	.1170	-.0054
.1000	.1170	-.0482
.1000	.1170	-.0743
.1000	.1170	-.0212
.1500	.1387	.1635
.1500	.1387	.0453
.1500	.1387	-.0348
.1500	.1387	.0061
.2000	.0663	.0684
.2000	.0663	.0942
.2000	.0663	-.0055
.2000	.0663	.0463
.2500	-.1507	-.1388
.2500	-.1507	-.1261
.2500	-.1507	-.1200
.2500	-.1507	-.1259
.3000	-.1749	-.1558
.3000	-.1749	-.1202
.3000	-.1749	-.1523
.3000	-.1749	-.1372
.3500	-.1666	-.1185
.3500	-.1666	-.1598
.3500	-.1666	-.1296

ALPHA ( 1 ) = -.150 BETA ( 3 ) = -.080

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV	X/CV	CP
.1580	.3160	.6000
.1580	.3160	.8400
.1580	.3160	.9250
.0000	.6965	.6875
.0000	.6965	.6811
.0000	.6965	.6820
.0000	.6965	.6509
.0500	.1069	.1386
.0500	.1069	.1562
.0500	.1069	.0309
.0500	.1069	.0848
.1000	.1499	.3317
.1000	.1499	.2652
.1000	.1499	.2383
.1000	.1499	.2303
.1500	.2400	.2243
.1500	.2400	.2302
.1500	.2400	.2528
.1500	.2400	.2543
.2000	.1301	.1326
.2000	.1301	.1586
.2000	.1301	.1549
.2000	.1301	.2306
.2500	-.1361	-.1364
.2500	-.1361	-.0323
.2500	-.1361	-.1509
.2500	-.1361	-.0491

DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(R84R16)

RIGHT VERTICAL

ARC97-716 0422 01

ALPHA ( 1 ) = -.150 BETA ( 3 ) = -.080

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.775 -.1459 -.1152 -.0877 -.0567 -.0302  
.900 -.1255 -.0771 -.0396 -.0327

ALPHA ( 1 ) = -.180 BETA ( 4 ) = 4.510

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .6654 .6392 .6204 .5794 .6212  
.050 .5261 .5116 .4485 .4417 .4736  
.150 .4785 .4131 .3608 .3934 .4422  
.300 .3265 .3018 .3259 .3544 .3629  
.520 .2082 .2178 .2446 .2532 .2791  
.685 -.0882 -.0571 -.0438 -.0139 -.0060  
.775 -.0356 -.0586 -.0259 -.0561 -.0381  
.900 -.0632 -.0213 -.0475 -.0438

ALPHA ( 1 ) = -.180 BETA ( 5 ) = 4.970

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .6665 .6272 .6136 .5687 .6151  
.050 .5551 .5238 .4647 .4603 .4917  
.150 .4892 .4209 .3734 .4082 .4569  
.300 .3555 .3398 .3378 .3723 .3809  
.520 .2172 .2286 .2540 .2671 .2931  
.685 -.0837 -.0487 -.0344 .0020 .0041  
.775 -.0861 -.0509 -.0202 -.0418 -.0185  
.900 -.0566 -.0391 -.0344 -.0337



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22B

(RB4R16)

ARC97-7.6 0A22 01

RIGHT VERTICAL

ALPHA ( 2 ) = 10.120 BETA ( 1 ) = -5.810

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .6229 .5166 .4627 .4130 .3876  
 .050 .0279 .0081 -.0746 -.1524 -.1470  
 .100 .0704 .0116 -.0655 -.1641 -.1389  
 .150 .0310 .0052 -.0165 -.0784 -.0841  
 .200 .0034 -.0032 -.0165 -.0422 .0123  
 .250 -.0555 -.1833 -.1655 -.1488 -.1381  
 .300 -.1880 -.1865 -.1677 -.1952 -.1585  
 .350 -.1327 -.1384 -.1203 -.1651

ALPHA ( 2 ) = 10.110 BETA ( 2 ) = -.760

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .6437 .5317 .4844 .4104 .4023  
 .050 .0369 .1063 .0581 -.0017 -.0012  
 .100 .2601 .2146 .1435 .0378 .0833  
 .150 .1491 .1133 .1163 .1174 .1341  
 .200 .0311 .0321 .0583 .0519 .0339  
 .250 -.1675 -.1561 -.1336 -.1147 -.0928  
 .300 -.1761 -.1593 -.1376 -.1342 -.1176  
 .350 -.1670 -.1142 -.1562 -.1308

ALPHA ( 2 ) = 10.100 BETA ( 3 ) = 4.310

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .6111 .4816 .4559 .3520 .3871  
 .050 .3683 .3787 .3335 .3350 .3357  
 .100 .2812 .2914 .2576 .2674 .3085  
 .150 .1600 .2111 .2293 .2374 .2537  
 .200 .0422 .1193 .1537 .1539 .1831  
 .250 -.1614 -.1179 -.0908 -.0513 -.0375  
 .300 -.1648 -.1253 -.0822 -.0848 -.0555  
 .350 -.1327 -.0619 -.0867 -.0721

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22B

(RB4R16)

RIGHT VERTICAL

ARC97-716 0A22 01

ALPHA ( 3 ) = 20.390 BETA ( 1 ) = -6.170

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V	.1580	.3160	.6000	.8400	.9250
X/CV					
.000	.0552	-.1251	.3114	.2330	.1930
.050	.2763	-.0208	-.1451	-.1822	-.1608
.100	.2940	-.0470	-.1483	-.1871	-.1603
.150	.2130	.0075	-.0573	-.1709	-.1544
.200	.0657	.0327	.0860	-.1419	-.1050
.250	-.1500	-.1542	-.1913	-.1856	-.1706
.300	-.1702	-.1661	-.1832	-.2043	-.1857
.350		-.1809	-.1389	-.2173	-.1916

ALPHA ( 3 ) = 20.400 BETA ( 2 ) = -.870

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V	.1580	.3160	.6000	.8400	.9250
X/CV					
.000	.5402	.7864	.4328	.2840	.2529
.050	-.0263	.0399	-.0134	-.0581	-.0445
.100	.2628	.1854	.0578	-.0433	-.0069
.150	.1313	.0678	.0905	.0713	.0724
.200	-.0350	-.0818	.0120	.0028	.0316
.250	-.1963	-.2222	-.1663	-.1384	-.1065
.300	-.2057	-.2326	-.1790	-.1709	-.1468
.350		-.2365	-.1276	-.1729	-.1357

ALPHA ( 3 ) = 20.410 BETA ( 3 ) = 4.440

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V	.1580	.3160	.6000	.8400	.9250
X/CV					
.000	.3182	.1735	.3284	.1939	.2102
.050	-.2605	-.2123	.2369	.1831	.2140
.100	-.2628	-.2031	.1457	.1502	.1861
.150	-.1787	-.1631	.0381	.1159	.1351
.200	-.1732	-.1712	.0406	.0461	.0883
.250	-.2253	-.2432	-.1478	-.1145	-.0332
.300	-.2213	-.2335	-.1500	-.1417	-.1155
.350		-.2257	-.1190	-.1434	-.1223





DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22B

(RB4R16)

RIGHT VERTICAL

ARC97-716 0A22 DI

ALPHA ( 4 ) = 27.000 BETA ( 1 ) = -6.510

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V	.1500	.3100	.6000	.8400	.9250
X/CV					
.000	-.2262	.2665	-.1226	.1244	.0831
.050	-.1722	.1969	-.1268	-.1956	-.1795
.100	.1401	.1531	-.1325	-.2047	-.1795
.150	.0676	.0748	-.1453	-.1596	-.1646
.200	-.0378	-.0334	-.1312	-.1638	-.1303
.250	-.1863	-.1998	-.1894	-.2101	-.2087
.300	-.1931	-.2122	-.1901	-.2218	-.2196
.350		-.2228	-.1937	-.2257	-.2129

ALPHA ( 4 ) = 27.070 BETA ( 2 ) = -.920

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V	.1500	.3100	.6000	.8400	.9250
X/CV					
.000	-.2224	.5292	.5558	.2604	.2041
.050	-.0630	-.0230	-.0251	-.0855	-.0693
.100	.0634	.0510	.0441	-.0520	-.0270
.150	-.0148	-.0810	.0314	.0233	.0281
.200	-.1081	-.1783	-.0601	-.0378	-.0305
.250	-.2175	-.2579	-.2031	-.1701	-.1489
.300	-.2150	-.2626	-.2153	-.1972	-.1652
.350		-.2509	-.1549	-.1937	-.1780

ALPHA ( 4 ) = 27.100 BETA ( 3 ) = 4.700

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8V	.1500	.3100	.6000	.8400	.9250
X/CV					
.000	-.2238	.3194	-.0216	.0823	.0939
.050	-.1174	-.2671	-.1413	.0565	-.1240
.100	-.1045	-.2755	-.1253	.0537	.1028
.150	-.1567	-.2256	-.1200	.0395	.0684
.200	-.2147	-.2169	-.1526	-.0117	.0287
.250	-.2426	-.2446	-.2320	-.1190	-.1234
.300	-.2392	-.2313	-.2404	-.1800	-.1383
.350		-.2139	-.1759	-.1645	-.1452

DATE 03 APR 75 TABULATED PRESSURE DATA - 0422B

(RB4R17) ( 26 JAN 74 )

RIGHT VERTICAL

ARC97-715 0422 01

## PARAMETRIC DATA

MACH = 1.550 ELEVON = -20.000  
 RUDDER = .000 SPOBRK = .000

## REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
 YREF = 38.7930 INCHES YMRP = .0000 INCHES  
 ZREF = 38.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0000 SCALE

ALPHA ( 1 ) = -.150 BETA ( 1 ) = -5.000

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE OF

Z/84 .1500 .3160 .6000 .8400 .9250

X/CV  
 .000 .7094 .5780 .6132 .5478 .5121  
 .050 -.0432 -.1212 -.2805 -.3687 -.3539  
 .100 .0555 -.0552 -.2489 -.3213 -.2605  
 .150 .1054 .0087 -.0549 -.2220 -.1897  
 .200 .0021 -.0233 -.0203 -.0744 -.0579  
 .250 -.0494 -.3244 -.3237 -.3331 -.2800  
 .300 -.3358 -.3387 -.3227 -.3411 -.2800  
 .350 -.3503 -.3122 -.3549 -.3549 -.2979

ALPHA ( 1 ) = -.150 BETA ( 2 ) = -.000

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE OF

Z/84 .1500 .3160 .6000 .8400 .9250

X/CV  
 .000 .7239 .6666 .6548 .5767 .5783  
 .050 .1821 .1313 .0545 .0000 .0000  
 .100 .3104 .2116 .1458 .1838 .2362  
 .150 .1791 .1402 .1521 .1735 .1857  
 .200 .0815 .0844 .0894 .0752 .1032  
 .250 -.3125 -.2582 -.2566 -.2381 -.2459  
 .300 -.3321 -.2838 -.2553 -.2264 -.2716  
 .350 -.3308 -.2467 -.2934 -.2833

ALPHA ( 1 ) = -.150 BETA ( 3 ) = 4.900

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE OF

Z/84 .1500 .3160 .6000 .8400 .9250

X/CV  
 .000 .7042 .6010 .6012 .4881 .5433  
 .050 .3450 .2439 .4138 .4253 .4704  
 .100 .4243 .3339 .3342 .3721 .4168  
 .150 .2782 .2736 .3319 .3375 .3518  
 .200 .2135 .2161 .1444 .1031 .1568  
 .250 .2135 .2273 .2074 .1137 .1230



DATE 03 APR 75 TABULATED PRESSURE DATA - 3A228

(RBAR17)

RIGHT VERTICAL

ARC37-716 3A22 01

ALPHA ( 1 ) = -.1190 BETA ( 3 ) = 4.930

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.775 -.2702 -.2243 -.1330 -.2358 -.2365  
.900 -.2340 -.1813 -.2281 -.2481

ALPHA ( 2 ) = 10.070 BETA ( 1 ) = -5.160

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .6049 .4658 .4067 .3390 .3048  
.050 .1026 .1185 .1321 .1582 .1728  
.180 .1580 .0301 .2525 .3751 .3422  
.300 .0115 .0776 .1357 .2225 .2466  
.520 .1124 .1578 .1432 .1351 .1062  
.685 .1342 .4237 .4034 .3332 .3165  
.775 .1370 .4325 .3365 .2961 .3405  
.900 .1370 .3704 .3306 .3364 .3438

ALPHA ( 2 ) = 10.070 BETA ( 2 ) = -.120

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .6402 .4338 .4334 .3498 .3495  
.050 .0371 .0491 .0325 .0483 .0637  
.180 .2237 .1053 .0379 .0558 .1124  
.300 .0631 .0226 .0236 .0428 .0456  
.520 .1343 .0425 .0358 .0156 .0152  
.685 .1343 .0241 .0270 .2359 .2313  
.775 .1341 .0387 .0384 .0366 .0241  
.900 .1340 .0340 .0286 .0349 .0374

DATE 03 APR 75 TABULATED PRESSURE DATA - 0A228

(RB4R17)

RIGHT VERTICAL

ARC37-715 0A22 01

ALPHA ( 2 ) = 10.050 BETA ( 3 ) = 4.923

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE OF

Z/8V .1580 .3160 .6030 .8400 .9250

X/CV

.000 .6426 .4806 .4039 .2821 .3209  
 .050 .5471 .3310 .2502 .2402 .2857  
 .100 .2396 .2059 .1719 .2070 .2506  
 .150 .0934 .1149 .1019 .1735 .1709  
 .200 .0357 .0695 .0705 .0493 .0457  
 .250 .0321 .0281 .0257 .0242 .0247  
 .300 .0318 .0274 .0245 .0264 .0244  
 .350 .0295 .0223 .0214 .0201

ALPHA ( 3 ) = 20.330 BETA ( 1 ) = -5.350

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE OF

Z/8V .1580 .3160 .6030 .8400 .9250

X/CV

.000 .5963 .2355 .3433 .2035 .1036  
 .050 .4636 .2308 .3138 .3753 .3753  
 .100 .3398 .1141 .1362 .3723 .3884  
 .150 .1903 .0152 .1348 .2367 .2412  
 .200 .0324 .0210 .1743 .1394 .1454  
 .250 .0373 .0360 .0402 .0367 .0382  
 .300 .0361 .0327 .0405 .0403 .0407  
 .350 .0413 .0487 .0467 .0467 .0467

ALPHA ( 3 ) = 20.310 BETA ( 2 ) = -0.070

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE OF

Z/8V .1580 .3160 .6030 .8400 .9250

X/CV

.000 .7062 .6744 .5468 .2028 .1875  
 .050 .0447 .1325 .1401 .1785 .1418  
 .100 .1233 .0417 .0513 .0842 .0558  
 .150 .0130 .0070 .0849 .0307 .0491  
 .200 .1432 .1645 .1142 .1206 .0361  
 .250 .0337 .0462 .0652 .0304 .0296  
 .300 .0300 .0408 .0302 .0371 .0332  
 .350 .0425 .0405 .0364 .0364 .0364



DATE 09 APR 75

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(R84R17)

RIGHT VERTICAL

ALPHA ( 3 ) = 20.330 BETA ( 3 ) = 5.300

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8/ -1.500 .3160 .6000 .8400 .9250

X/CV

.000 .6325 .2987 .3194 .1342 .1471  
 .050 -.4628 -.4181 .1406 .1140 .1568  
 .100 -.4931 -.3486 .0621 .0851 .1339  
 .150 -.4291 -.2095 .0525 .0590 .0681  
 .200 -.3108 .3334 .0147 .0458 .0300  
 .250 -.4225 -.4834 .3093 .2927 .2844  
 .300 -.2525 .4333 .2317 .3308 .3123  
 .350 -.3658 .2675 .3208 .1163

ALPHA ( 4 ) = 26.930 BETA ( 1 ) = -5.103

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8/ -1.500 .3160 .6000 .8400 .9250

X/CV

.000 .6830 .1902 .2049 .1549 .1119  
 .050 .4144 .4140 .3093 .3574 .3538  
 .100 .3326 .2557 .0881 .2873 .3174  
 .150 .1243 .0629 .1106 .1133 .1213  
 .200 -.0259 .0331 .1737 .2310 .1812  
 .250 .3321 .3841 .3734 .3891 .3808  
 .300 .3541 .4086 .3791 .4397 .4102  
 .350 .4244 .3319 .4410 .4202

ALPHA ( 4 ) = 26.920 BETA ( 2 ) = -.060

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/8/ -1.500 .3160 .6000 .8400 .9250

X/CV

.000 .8085 .9538 .4428 .1704 .1390  
 .050 -.0712 .1319 .1695 .2104 .1787  
 .100 .0312 .2549 .1196 .1084 .0832  
 .150 .0932 .3154 .1153 .0348 .0952  
 .200 .2352 .2939 .1675 .1545 .1408  
 .250 .4115 .4422 .3970 .3500 .3522  
 .300 .3364 .4529 .4307 .3386 .3778  
 .350 .4602 .3402 .3300 .3294

DATE 09 APR 75

TABULATED PRESSURE DATA - 04228

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(R84817)

RIGHT VERTICAL

ALPHA ( 4 ) = 26.900 BETA ( 3 ) = 5.100

SECTION ( 1 ) RIGHT VERTICAL      DEPENDENT VARIABLE CP

Z/SV      .1500      .3100      .6000      .8400      .9250

X/CV

.000	.6533	.1565	.21 2	.0859	.0972
.050	-.3741	-.5211	-.1280	.0538	.1000
.100	-.3511	-.5275	-.1508	.0343	.0807
.150	-.3454	-.4377	-.0861	.0201	.0142
.200	-.4339	-.3435	-.1451	-.0635	-.0721
.250	-.3302	-.4857	-.3311	-.3114	-.3116
.300	-.3305	-.3616	-.0338	-.0442	-.0350
.350		-.3673	-.3342	-.3342	-.3400



REFERENCE DATA      PARAMETRIC DATA

SREF = 2.4210 33.17. XREF = 29.5000 INCHES      MACH = 2.200      ELEVATION = -20.000  
 LREF = 36.7000 INCHES YREF = .0000 INCHES      RUDDER = .000      SPEEDBRK = .000  
 DREF = 36.7000 INCHES ZREF = .0000 INCHES  
 SCALE = .0000 SCALE

ALPHA ( 1 ) = -.140      BETA ( 1 ) = -.030

SECTION ( 1 ) RIGHT VERTICAL      DEPENDENT VARIABLE OF

Z/Y	.1500	.3100	.6000	.8400	.9250
X/CV					
.000	.6823	.6170	.6425	.6608	.6300
.050	-.0674	-.1904	-.1343	-.1185	-.1110
.100	.3856	-.0714	-.0782	-.0759	-.0427
.150	.1023	.1474	-.0343	-.0412	-.0186
.200	.0597	.0599	.0819	-.0238	.0185
.250	-.1566	-.1417	-.1382	-.1424	-.1434
.300	-.1765	-.1639	-.1321	-.1740	-.1567
.350		-.1728	-.0974	-.1754	-.1557

ALPHA ( 1 ) = -.170      BETA ( 2 ) = .080

SECTION ( 1 ) RIGHT VERTICAL      DEPENDENT VARIABLE OF

Z/Y	.1500	.3100	.6000	.8400	.9250
X/CV					
.000	.6856	.6868	.6826	.6647	.6605
.050	.1240	.1743	.1542	.1542	.0901
.100	.3500	.3337	.2674	.2659	.2632
.150	.2453	.2231	.2329	.2781	.2584
.200	.1321	.1342	.1630	.1753	.2003
.250	-.1292	-.1101	-.0924	-.0435	-.0487
.300	-.1420	-.1146	-.0852	-.0302	-.0695
.350		-.1266	-.0689	-.0329	-.0923

ALPHA ( 1 ) = -.200      BETA ( 3 ) = 4.870

SECTION ( 1 ) RIGHT VERTICAL      DEPENDENT VARIABLE OF

Z/Y	.1500	.3100	.6000	.8400	.9250
X/CV					
.000	.6343	.6290	.6190	.5729	.6200
.050	.3488	.3137	.4607	.4562	.4837
.100	.4899	.4216	.3677	.4777	.4603
.150	.3344	.3066	.3329	.3742	.3743
.200	.2148	.2283	.2507	.2698	.2863
.250	-.0800	-.0555	-.0384	.0152	-.0019

ARC97-716 0422 01

(R04R10)

RIGHT VERTICAL

ALPHA ( 1 ) = -.200 BETA ( 3 ) = 4.070

SECTION ( 1 ) RIGHT VERTICAL DEFENDANT VARIABLE OF

Z/87 .1500 .3160 .6000 .8400 .9250

K/67

.000 -.0315 -.0533 -.0222 -.0376 -.0232  
 .000 -.0396 -.0333 -.0301 -.0333

ALPHA ( 2 ) = 10.100 BETA ( 1 ) = -4.380

SECTION ( 1 ) RIGHT VERTICAL DEFENDANT VARIABLE OF

Z/87 .1500 .3160 .6000 .8400 .9250

K/67

.000 -.0336 .0164 .4753 .4308 .4000  
 .000 -.0031 .0233 -.0634 -.1344 -.1303  
 .100 .1658 .0194 -.0406 -.1246 -.0964  
 .300 .1349 .0431 .0212 -.0316 -.0586  
 .500 .0123 .0181 .0041 -.0102 .0334  
 .600 -.1140 .0157 .1146 .1125 .1187  
 .775 .1004 .1114 .1153 .1113 .1168  
 .900 .1180 .1178 .1182 .1182 .1157

ALPHA ( 2 ) = 10.100 BETA ( 2 ) = .110

SECTION ( 1 ) RIGHT VERTICAL DEFENDANT VARIABLE OF

Z/87 .1500 .3160 .6000 .8400 .9250

K/67

.000 .5948 .5251 .4769 .4135 .4116  
 .000 .1713 .1433 .1036 .0573 .0576  
 .100 .3133 .2156 .1764 .1413 .2206  
 .300 .1364 .1123 .1294 .1586 .1531  
 .500 .0390 .0320 .0776 .0623 .1183  
 .600 .1164 .1165 .1123 .1018 .1084  
 .775 .1109 .1474 .1120 .1120 .1103  
 .900 .1180 .1182 .1182 .1182 .1157





DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(R84R10)

RIGHT VERTICAL

ARC37-716 0422 01

ALPHA ( 2 ) = 10.000 BETA ( 3 ) = 4.000

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE OF

Z/84 .1500 .3100 .6000 .8400 .9250

W/CV

.000 .5075 .4679 .4479 .3581 .3831  
 .050 .3979 .4039 .3507 .3209 .3555  
 .100 .2903 .3383 .2829 .2302 .3400  
 .150 .1677 .2254 .2438 .2670 .2684  
 .200 .0354 .1281 .1770 .1707 .1985  
 .250 -.1554 -.1138 -.0704 -.0400 -.0330  
 .300 -.1015 -.1174 -.0638 -.0742 -.0605  
 .350 -.1255 -.1040 -.0762 -.0762 -.0674

ALPHA ( 3 ) = 20.000 BETA ( 1 ) = -6.000

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE OF

Z/84 .1500 .3100 .6000 .8400 .9250

W/CV

.000 .0982 -.1153 .3104 .2438 .2357  
 .050 .2820 -.1037 -.1432 -.1721 -.1548  
 .100 .2943 .0388 -.1422 -.1765 -.1540  
 .150 .2175 .0000 -.0557 -.1581 -.1482  
 .200 .0094 .0552 -.0801 -.1357 -.1028  
 .250 -.1532 -.1533 -.1895 -.1816 -.1766  
 .300 -.1077 -.1050 -.1816 -.1931 -.1849  
 .350 -.1787 -.1320 -.2115 -.2115 -.1933

ALPHA ( 3 ) = 20.000 BETA ( 2 ) = .150

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE OF

Z/84 .1500 .3100 .6000 .8400 .9250

W/CV

.000 .3244 .7189 .4206 .2535 .2431  
 .050 .0406 .1094 .0772 .0337 .0588  
 .100 .2222 .1416 .1252 .0921 .1316  
 .150 .0303 .0104 .0423 .0452 .0779  
 .200 .0014 .1509 .0101 .0120 .0267  
 .250 .0095 .0409 .0102 .0137 .0242  
 .300 .0123 .0522 .0179 .0156 .0160  
 .350 .0242 .0254 .0179 .0156 .0156

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DATE 09 APR 75 TABULATED PRESSURE DATA - 04220

(R04R10)

RIGHT VERTICAL

ARC97-716 0422 DI

ALPHA ( 3 ) = 20.400 BETA ( 3 ) = 4.910

SECTION ( 1 ) RIGHT VERTICAL DEFICIENT VARIABLE OF

Z/8V .1500 .3160 .6000 .8400 .9250

W/CV

.000 .1200 .0473 .3076 .1064 .1900  
 .050 .2551 .2132 .2415 .1930 .2232  
 .150 .2944 .1929 .1305 .1536 .2053  
 .300 .1023 .1650 .0344 .1267 .1332  
 .520 .1703 .1161 .0366 .0548 .0632  
 .680 .2244 .2327 .1528 .1100 .1329  
 .775 .2391 .2236 .1552 .1374 .1145  
 .900 .2303 .2143 .1413 .1209

ALPHA ( 4 ) = 27.000 BETA ( 1 ) = -5.120

SECTION ( 1 ) RIGHT VERTICAL DEFICIENT VARIABLE OF

Z/8V .1500 .3160 .6000 .8400 .9250

W/CV

.000 .2101 .3335 .0470 .1435 .1238  
 .050 .0602 .1537 .0703 .1193 .1102  
 .150 .1532 .1075 .1020 .1174 .1015  
 .300 .0556 .0750 .1100 .1148 .1236  
 .520 .1475 .0503 .1100 .1138 .1029  
 .680 .1000 .2123 .1193 .1138 .1012  
 .775 .1360 .2256 .1038 .1203 .1010  
 .900 .2050 .1123 .1214 .1205

ALPHA ( 4 ) = 27.000 BETA ( 2 ) = .350

SECTION ( 1 ) RIGHT VERTICAL DEFICIENT VARIABLE OF

Z/8V .1500 .3160 .6000 .8400 .9250

W/CV

.000 .2014 .4037 .5372 .2300 .1902  
 .050 .0552 .1020 .0510 .1010 .1034  
 .150 .0560 .0255 .0429 .0320 .0717  
 .300 .0410 .1445 .0154 .0127 .0297  
 .520 .1170 .2101 .0735 .0500 .0115  
 .680 .2254 .2029 .1030 .1043 .1117  
 .775 .2255 .2712 .1030 .1035 .1070  
 .900 .2090 .1167 .1212 .1210



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A228

(RB4R18)

RIGHT VERTICAL

ARC97-716 0A22 01

ALPHA ( 4 ) = 27.090 BETA ( 3 ) = 5.110

SECTION ( 1 ) RIGHT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000	-.2150	-.2268	-.0583	.0706	.0926
.050	-.1192	-.2674	-.1415	.0802	.1235
.100	-.1119	-.2735	-.1425	.0708	.1155
.300	-.1616	-.2225	-.1240	.0571	.0683
.500	-.2156	-.2195	-.1512	-.0017	.0288
.685	-.2420	-.2464	-.2292	-.1482	-.1208
.775	-.2388	-.2324	-.2366	-.1730	-.1380
.900		-.2195	-.1610	-.1776	-.1452

DATE 09 APR 75 TABULATED PRESSURE DATA - Q422B

(RB4V055) ( 10 OCT 73 )

LEFT VERTICAL

ARC97-716 Q422 01

PARAMETRIC DATA

ALPHA = 27.000 ELEVON = .000  
RUDDER = .000 SFOBRK = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 23.5800 INCHES  
LREF = 36.7090 INCHES YMRP = .0000 INCHES  
BREF = 36.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = 2.201 BETA ( 1 ) = -5.390

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV  
.000 .2269 .3926 -.0673 .1475 .1256  
.025 -.1437 -.2314 -.1922 .1107 .0663  
.050 -.1109 -.2508 -.1814 .0395 .0385  
.150 -.0813 -.2706 -.1485 .0702 .0385  
.300 -.1440 -.2590 -.1343 .0533 .0680  
.520 -.1906 -.2005 -.1461 .0179 .0330  
.685 -.2383 -.2415 -.2290 -.1458 -.1294  
.775 -.2321 -.2262 -.2305 -.1730 -.1402  
.900 -.2126 -.2179 -.1761 -.1417

MACH ( 1 ) = 2.201 BETA ( 2 ) = -5.000

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV  
.000 .2266 .4351 -.0297 .1646 .1341  
.025 -.1339 -.2237 -.1929 .0955 .0596  
.050 -.1001 -.2504 -.1811 .0874 .0316  
.150 -.0775 -.2072 -.1485 .0533 .0305  
.300 -.1385 -.2603 -.1379 .0452 .0608  
.520 -.1874 -.1975 -.1503 .0139 .0269  
.685 -.2360 -.2402 -.2361 -.1475 .1327  
.775 -.2296 -.2254 -.2333 -.1712 .1425  
.900 -.2126 -.2287 -.1785 .1454



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A228

(RB4V03)

LEFT VERTICAL

ARC97-716 0A22 01

MACH ( 1 ) = 2.201 BETA ( 3 ) = -.230

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1580 .3160 .6000 .8400 .9250

X/CV

.000 .2156 .4914 .5172 .2298 .1886  
 .025 -.0639 -.0313 -.0250 -.0258 -.0353  
 .050 -.0299 -.0374 .0282 -.0255 -.0431  
 .150 .0215 .0128 .0590 .0267 .0600  
 .300 -.0460 -.1414 -.0033 .0055 .0232  
 .520 -.1330 -.2029 -.0723 -.0346 -.0175  
 .685 -.2203 -.2569 -.2110 -.1810 -.1580  
 .775 -.2192 -.2555 -.2216 -.2052 -.1747  
 .900 -.2527 -.2263 -.2067 -.1795

MACH ( 1 ) = 2.201 BETA ( 4 ) = 5.040

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1580 .3160 .6000 .8400 .9250

X/CV

.000 .2248 .2778 -.0544 .0671 .0881  
 .025 .0142 .0782 -.0325 -.1801 -.1925  
 .050 .1290 .1594 .0312 -.2029 -.2172  
 .150 .1309 .1634 .1016 -.2014 -.1299  
 .300 .0696 .0792 .1164 .1863 .1454  
 .520 -.0478 .0364 .1458 .1435 .1090  
 .685 -.1866 .2081 .2023 .2412 .1942  
 .775 -.1958 .2222 .2011 .2516 .2107  
 .900 -.2316 .2033 .2452 .2143

DATE 09 APR 75

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LEFT VERTICAL

(RB4V10) ( 10 OCT 75 )

## REFERENCE DATA

XREF = 2.4210 50.FT. XMRP = 29.5800 INCHES  
 LREF = 30.7030 INCHES YMRP = .0000 INCHES  
 BREF = 30.7030 INCHES ZMRP = .0000 INCHES  
 SCALE = .0000 SCALE

MACH ( 1 ) = 1.550 BETA ( 1 ) = -9.990

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 -.2983 -.4135 -.0192 .0589 .0421  
 .025 -.5055 -.4182 .0338 .2501 .2131  
 .050 -.5112 -.4102 .0368 .2310 .2481  
 .075 -.5092 -.3300 .0321 .1758 .2132  
 .100 -.3683 -.2422 .0331 .1372 .1513  
 .125 -.2936 -.2132 -.0239 .0744 .0452  
 .150 -.2733 -.2195 -.0413 .0034 -.1686  
 .175 -.2519 -.2032 -.0212 .0031 -.1430  
 .200 -.1741 -.0202 -.0250 -.1656

MACH ( 1 ) = 1.550 BETA ( 2 ) = -5.073

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 -.6283 .3437 .3469 .2148 .1675  
 .025 -.4832 -.4493 .1014 .1340 .0833  
 .050 -.4839 -.4333 .1212 .1257 .1214  
 .075 -.4846 -.3640 .0827 .0833 .1058  
 .100 -.3332 -.2214 .0545 .0581 .0632  
 .125 -.3017 -.3057 .0048 -.0144 -.0021  
 .150 -.4126 -.3723 -.0338 -.0946 -.2582  
 .175 -.2358 -.3713 -.1045 -.1135 -.2482  
 .200 -.3462 -.1075 -.1254 -.2710



DATE 09 APR 75  
 TABULATED PRESSURE DATA - 0A22B  
 ARC97-716 0A22 01  
 LEFT VERTICAL  
 (RB4VID)

MACH ( 1 ) = 1.550 BETA ( 3 ) = .200

SECTION ( 1 ) LEFT VERTICAL	DEPENDENT VARIABLE CP
Z/8V	.1500 .3160 .6000 .8400 .9250
X/CV	
.000	.7914 .6723 .3415 .2010 .1878
.025	-.1227 -.2458 -.1645 -.1164 -.11916
.050	-.0561 -.1334 -.1773 -.1697 -.1879
.100	-.1122 -.0381 -.0311 -.0523 -.0279
.200	-.0393 -.0591 -.0552 -.0715 -.0537
.320	-.1461 -.1595 -.1019 -.0940 -.0848
.685	-.3765 -.2715 -.1948 -.1873 -.3119
.775	-.3391 -.2886 -.2035 -.2308 -.3139
.900	-.3003 -.2051 -.2190 -.3260

MACH ( 1 ) = 1.550 BETA ( 4 ) = 5.010

SECTION ( 1 ) LEFT VERTICAL	DEPENDENT VARIABLE CP
Z/8V	.1500 .3160 .6000 .8400 .9250
X/CV	
.000	.6927 .3036 .3327 .1439 .1531
.025	.4415 .2556 -.3226 -.3577 -.4051
.050	.4744 .3207 -.3386 -.4318
.100	.3461 .1048 -.1671 -.3843 -.3341
.200	.1335 -.0154 -.1250 -.2387 -.2143
.320	-.0564 -.1267 -.1580 -.1928 -.1277
.685	-.3680 -.2503 -.2062 -.2580 -.3301
.775	-.3447 -.2967 -.2692 -.2856 -.3344
.900	-.3266 -.2708 -.3338 -.3488

MACH ( 1 ) = 1.550 BETA ( 5 ) = 9.980

SECTION ( 1 ) LEFT VERTICAL	DEPENDENT VARIABLE CP
Z/8V	.1500 .3160 .6000 .8400 .9250
X/CV	
.000	-.4115 -.4074 -.0352 -.0548 .0171
.025	.2603 -.2528 -.2057 -.3571 -.3725
.050	.3231 -.1955 -.1900 -.3772 -.3969
.100	.3306 -.1368 -.2027 -.3869 -.3233
.200	.1222 -.0677 -.2495 -.3822 -.3000
.320	-.0365 -.0865 -.3160 -.3247 -.3129
.685	-.3373 -.2308 -.3621 -.3374 -.3909
.775	-.2860 -.2263 -.3538 -.3431 -.3345
.900	-.2615 -.3595 -.3457 -.3835

LEFT VERTICAL  
 (RB4V10)

ARC97-716 0422 01

MACH (2) = 2.201 BETA (1) = -10.170

## SECTION (1) LEFT VERTICAL

DEPENDENT VARIABLE CP

Z/B <sub>V</sub>	.1500	.3160	.6000	.8400	.9250
X/CO					
.000	-.2242	-.2301	.0304	.1388	.0380
.025	-.2370	-.1906	.1683	.2797	.2375
.050	-.2638	-.1727	.1503	.2618	.2630
.100	-.2612	-.1522	.1031	.2302	.2390
.150	-.2285	-.1449	.0790	.1630	.1983
.200	-.1884	-.1459	.0388	.1228	.1358
.250	-.2030	-.1588	.0188	.0464	-.0490
.300	-.1371	-.1415	.0152	.0357	-.0422
.350	-.1286	-.0084	.0234	-.0642	

MACH (2) = 2.201 BETA (2) = -5.050

## SECTION (1) LEFT VERTICAL

DEPENDENT VARIABLE CP

Z/B <sub>V</sub>	.1500	.3160	.6000	.8400	.9250
X/CO					
.000	.2959	.0458	.3517	.2572	.2180
.025	-.2466	-.2247	.2637	.2223	.1730
.050	-.2677	-.2232	.2502	.2059	.1383
.100	-.2648	-.1983	.1650	.1742	.1768
.150	-.2192	-.1657	.1025	.1176	.1334
.200	-.1630	-.1579	.0370	.0641	.0805
.250	-.2212	-.1947	.0323	.0368	-.0845
.300	-.2044	-.1910	-.0448	-.0116	-.0886
.350	-.1774	-.0486	-.0163	-.1057	

MACH (2) = 2.201 BETA (3) = .060

## SECTION (1) LEFT VERTICAL

DEPENDENT VARIABLE CP

Z/B <sub>V</sub>	.1500	.3160	.6000	.8400	.9250
X/CO					
.000	-.3214	.6302	.4116	.2514	.2334
.025	-.0905	-.0175	-.0064	-.0124	-.0429
.050	-.0544	.0696	.0150	-.0201	-.0444
.100	-.1918	.1359	.1155	.0617	.0335
.150	.0818	.0191	.0841	.0422	.0006
.200	-.0560	-.1107	.0155	.0388	.0291
.250	-.2030	-.1026	-.0506	-.0336	-.1207
.300	-.2056	-.1800	-.0739	-.0706	-.1286
.350	-.1322	-.0868	-.0796	-.1408	



DATE 03 APR 75

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(R84V10)

LEFT VERTICAL

MACH ( 2 ) = 2.201 BETA ( 4 ) = 5.070

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V	.1500	.3160	.6000	.8400	.9250
X/8V					
.000	.0033	-.0034	.0031	.1769	.1941
.025	.1192	.0339	-.1236	-.1411	-.1472
.050	.2330	.0375	-.1280	-.1644	-.1703
.075	.2733	.0002	-.1311	-.1646	-.1048
.100	.2188	-.0107	-.1388	-.1377	-.1346
.125	.0704	.0132	-.0338	-.1338	-.0934
.150	-.1522	-.0543	-.1342	-.1372	-.1563
.175	-.1656	-.0792	-.1035	-.1401	-.1626
.200		-.1057	-.1175	-.1448	-.1680

MACH ( 2 ) = 2.201 BETA ( 5 ) = 10.180

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V	.1500	.3160	.6000	.8400	.9250
X/8V					
.000	-.2367	-.2190	-.0982	.0327	.0731
.025	-.1357	-.2134	-.1435	-.2037	-.2045
.050	-.0659	-.2146	-.1367	-.2263	-.2355
.075	.1164	-.2031	-.1376	-.2237	-.1611
.100	.0625	-.1673	-.1552	-.2358	-.2150
.125	.0480	-.1305	-.1836	-.2183	-.1389
.150	-.1763	-.1471	-.2338	-.2268	-.2385
.175	-.1758	-.1483	-.1375	-.2235	-.2409
.200		-.1519	-.1399	-.2232	-.2475

TABULATED PRESSURE DATA - 0A22B

DATE 09 APR 75

(RB4V11) ( 10 OCT 75 )

LEFT VERTICAL

ARC97-716 0A22 01

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = 1.000  
RUDDER = -10.000 SPOBRK = 0.000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
LREF = 36.7000 INCHES YMRP = 0.0000 INCHES  
BREF = 36.7000 INCHES ZMRP = 0.0000 INCHES  
SCALE = 0.0000 SCALE

MACH ( 1 ) = 1.550 BETA ( 1 ) = -9.990

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 -.2903 -.4082 -.0166 .0768 .0684  
.025 -.4372 -.4129 .0436 .2679 .2837  
.050 -.5055 -.4038 .0420 .2474 .2733  
.150 -.5038 -.3251 .0356 .1907 .2054  
.300 -.3627 -.2403 .0306 .1497 .1472  
.520 -.2899 -.2178 .0263 .0809 .0215  
.685 -.2805 -.3753 .0405 .0876 .0295  
.775 -.2725 -.3402 .0418 .0438 .0090  
.900 -.3103 .0398 .0411 .0224

MACH ( 1 ) = 1.550 BETA ( 2 ) = -5.080

SECTION ( 1 ) LEFT VERTICAL

DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .6331 .3650 .3484 .2359 .1986  
.025 .4754 .4474 .1000 .1423 .1370  
.050 .4721 .4378 .1188 .1361 .1400  
.150 .4751 .3734 .0622 .1036 .1049  
.300 .3919 .2468 .0611 .0765 .0653  
.520 .2898 .2387 .0093 .0064 .0145  
.685 .4160 .4649 .0400 .0404 .0239  
.775 .2571 .0401 .0449 .0405 .0453  
.900 .4285 .0420 .0414 .0305



DATE 09 APR 75

TABULATED PRESSURE DATA - 0A22B

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ARC97-716 0A22 01

LEFT VERTICAL

(RB4V11)

MACH ( 1 ) = 1.550 BETA ( 3 ) = .180

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE OF

Z/94 .1500 .3160 .6000 .8400 .9250

Y/CV

.000 .7960 .6760 .3331 .2200 .2142  
 .025 -.1181 -.2427 -.2113 -.1553 -.1735  
 .050 -.0421 -.1337 -.1748 -.1588 -.1726  
 .100 .1238 -.0270 -.0298 -.0377 -.0311  
 .300 -.0035 -.0554 -.0568 -.0547 -.0546  
 .520 -.1464 -.1611 -.0372 -.0752 -.0800  
 .685 -.3778 -.4306 -.4632 -.4236 -.3497  
 .775 -.5429 -.4972 -.4815 -.4280 -.2843  
 .900 -.4470 -.4608 -.4750 -.4383

MACH ( 1 ) = 1.550 BETA ( 4 ) = 5.000

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE OF

Z/94 .1500 .3160 .6000 .8400 .9250

Y/CV

.000 .6913 .3943 .3282 .1632 .1876  
 .025 .4365 .1908 -.3192 -.3428 -.3778  
 .050 .4757 .2112 -.3169 -.3687 -.3962  
 .100 .3475 .1072 -.1608 -.3528 -.3352  
 .300 .1438 -.0081 -.1298 -.2052 -.2088  
 .520 -.0510 -.1182 -.1431 -.1553 -.0376  
 .685 -.5531 -.4757 -.4792 -.4474 -.3733  
 .775 -.3345 -.4640 -.4398 -.4756 -.3931  
 .900 -.4372 -.4934 -.4924 -.4120

MACH ( 1 ) = 1.550 BETA ( 5 ) = 9.970

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE OF

Z/94 .1500 .3160 .6000 .8400 .9250

Y/CV

.000 -.4123 -.4053 -.0230 -.0242 .0601  
 .025 .2939 -.2493 -.2113 -.3268 -.3345  
 .050 .3285 -.1360 -.2017 -.3470 -.3689  
 .100 .3051 -.1458 -.1369 -.3547 -.3337  
 .300 .1216 .1370 -.2359 -.3573 -.3711  
 .520 -.3426 -.3888 -.3472 -.2060 -.2931  
 .685 -.3415 -.4648 -.1585 .4785 .4360  
 .775 .3014 .4435 .4530 .4445 .4325  
 .900 .4248 .4450 .4550 .3839 .3360

DATE 03 APR 75 TABULATED PRESSURE DATA - 04228

(RB4V11)

LEFT VERTICAL

MACH ( 2 ) = 2.201 BETA ( 1 ) = -13.180  
SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE OF

Z/8V	.1560	.3160	.6000	.8400	.9250
X/CV					
.000	-.2228	-.2289	.0843	.1561	.1209
.025	-.2551	-.1835	.1735	.2318	.1908
.050	-.2625	-.1731	.1555	.2740	.2827
.100	-.2596	-.1535	.1056	.2225	.2509
.150	-.2282	-.1468	.0739	.1781	.1988
.200	-.1853	-.1458	.0399	.1378	.1280
.250	-.1205	-.2284	-.2010	-.1552	-.1067
.300	-.1194	-.2135	-.2194	-.1309	-.1033
.350		-.2078	-.2204	-.1857	-.1153

MACH ( 2 ) = 2.201 BETA ( 2 ) = -5.060  
SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE OF

Z/8V	.1560	.3160	.6000	.8400	.9250
X/CV					
.000	.3267	.0853	.3529	.2761	.2416
.025	-.2431	-.2262	.2671	.2359	.2235
.050	-.2673	-.2321	.2462	.2214	.2179
.100	-.2685	-.2340	.1690	.1729	.1776
.150	-.2258	-.1632	.1335	.1342	.1364
.200	-.1597	-.1570	.0421	.0812	.0869
.250	-.2233	-.2395	-.2156	-.1732	-.1144
.300	-.2069	-.2390	-.2335	-.2123	-.1232
.350		-.2393	-.2350	-.2043	-.1410

MACH ( 2 ) = 2.201 BETA ( 3 ) = .050  
SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE OF

Z/8V	.1560	.3160	.6000	.8400	.9250
X/CV					
.000	.5297	.7189	.4144	.2749	.2622
.025	-.0466	-.0108	-.0399	.0053	-.0234
.050	-.0510	.0760	.0387	-.0335	-.0216
.100	.2153	.1537	.1206	.0668	.0872
.150	.0858	.0269	.0784	.0663	.0644
.200	-.0612	-.0978	.0210	.0355	.0357
.250	-.1193	-.2458	-.2157	-.1861	-.1357
.300	-.2345	-.2538	-.2356	-.2086	-.1538
.350		-.2505	-.2395	-.2219	-.1671



DATE 03 APR 75 TABULATED PRESSURE DATA - 0A228

(884V11)

LEFT VERTICAL

ARC97-716 0A22 01

MACH ( 2 ) = 2.201 BETA ( 4 ) = 5.000

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE OF

Z/84 .1500 .3100 .6000 .8400 .9250

X/CV

.000 .0000 .0034 .0032 .0021 .0203  
 .025 .1200 .0325 -.1300 -.1193 -.1224  
 .050 .2017 .0367 .1342 .1403 .1425  
 .150 .2732 .0341 .1371 .1408 .1308  
 .200 .2191 .0184 .1144 .1111 .1300  
 .250 .0711 .0111 .0380 .1034 .0854  
 .285 .1322 .2173 .2362 .2283 .1812  
 .375 .1689 .2289 .2495 .2285 .1379  
 .500 .2272 .2406 .2329 .2106

MACH ( 2 ) = 2.201 BETA ( 5 ) = 10.170

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE OF

Z/84 .1500 .3100 .6000 .8400 .9250

X/CV

.000 .2417 .2158 .0746 .0583 .1047  
 .025 .1169 .2106 .1289 .1783 .1803  
 .050 .3684 .2114 .1321 .2322 .2581  
 .150 .1361 .2321 .1515 .2059 .1566  
 .200 .0572 .1678 .1584 .2593 .2128  
 .250 .0077 .1340 .1308 .1371 .1932  
 .285 .1641 .2330 .2563 .2622 .2440  
 .375 .1781 .2365 .2541 .2444 .2477  
 .500 .2410 .2401 .2106 .2408

DATE 09 APR 75

TABULATED PRESSURE DATA - 04220

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LEFT VERTICAL

(RB4V12) ( 10 OCT 75 )

# REFERENCE DATA

TDCP = 2.4210 30. FT. KMRP = 29.5000 INCHES  
 LREF = 30.7000 INCHES YMRP = .0000 INCHES  
 DREF = 30.7000 INCHES ZREF = .0000 INCHES  
 SCALE = .0000 SCALE

WACH ( 1 ) = 1.550 ALPHA ( 1 ) = -.140

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE C

Z/04 .1500 .3160 .6000 .8400 .9250

W/CV

.000 .7513 .6766 .6511 .5976 .6125  
 .025 .1333 .0950 -.0141 .0179 -.0200  
 .050 .1724 .0940 .0007 .0100 .0003  
 .075 .3170 .2243 .1931 .1975 .2032  
 .000 .1905 .1434 .1432 .2077 .4411  
 .025 .0765 .0776 .4003 .5607 .4795  
 .045 -.3102 .4040 .5811 .6558 -.0707  
 .075 -.3119 .3116 .5265 .5954 -.1633  
 .000 .2284 .4430 .3454 -.2172

WACH ( 1 ) = 1.550 ALPHA ( 2 ) = 10.000

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE C

Z/04 .1500 .3160 .6000 .8400 .9250

W/CV

.000 .6534 .5345 .4304 .3718 .3833  
 .025 -.0336 .0163 -.0757 -.0683 -.0306  
 .050 -.0133 .0172 -.0649 -.0745 -.0300  
 .075 .2324 .1117 .0563 .0640 .0600  
 .000 .0717 .0226 .0255 .0439 .1512  
 .025 -.0905 -.0454 .1940 .3531 .3039  
 .045 -.0343 .2422 .3605 .4511 -.1323  
 .075 -.0145 .1792 .3292 .3707 -.2221  
 .000 .1110 .2710 .2526 -.2371



DATE 03 APR 75

TABULATED PRESSURE DATA - 04228

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LEFT VERTICAL

(R84V12)

MACH (1) = 1.550 ALPHA (3) = 23.330

ARC37-Y16 0422 01

SECTION (1) LEFT VERTICAL DEPENDENT VARIABLE OF

Z/04 -1.500 -3160 .6030 .8400 .9250

X/CV

.000	.7929	.6664	.3350	.2190	.2034
.025	-.1166	-.2403	-.2103	-.1616	-.1872
.050	-.0473	-.1328	-.1628	-.1658	-.1852
.075	.1212	-.0336	-.0423	-.0724	-.0355
.100	-.0036	-.0529	-.0520	-.0607	-.0356
.125	-.1469	-.1618	.0483	.2104	.1511
.150	-.0739	.1036	.2724	.3389	-.1769
.175	-.2442	.1388	.2482	.2571	-.2234
.200	.0357	.2335	.1741	.1337	

MACH (1) = 1.550 ALPHA (4) = 26.970

SECTION (1) LEFT VERTICAL DEPENDENT VARIABLE OF

Z/04 -1.500 -3160 .6030 .8400 .9250

X/CV

.000	.8162	.9611	.4418	.1928	.1656
.025	-.1279	-.2501	-.2379	-.1934	-.2294
.050	-.0359	-.1944	-.1916	-.2052	-.2252
.075	.0227	-.2358	-.0336	-.1236	-.0794
.100	-.0726	-.2939	-.1249	-.1328	-.1328
.125	-.1935	-.2786	-.1518	.1377	.0772
.150	-.4236	.0160	.2334	.2032	-.1893
.175	-.3740	.0115	.2591	.2442	-.2174
.200	-.0723	.2700	.2816	.2378	

MACH (2) = 2.231 ALPHA (3) = -1.140

SECTION (1) LEFT VERTICAL DEPENDENT VARIABLE OF

Z/04 -1.500 -3160 .6030 .8400 .9250

X/CV

.000	.6846	.6483	.6779	.6433	.6701
.025	.3735	.1605	.1333	.1330	.2824
.050	.1583	.1488	.1020	.1274	.1025
.075	.3446	.3211	.2693	.2691	.2691
.100	.2424	.2332	.2473	.2556	.2575
.125	.1328	.1421	.2643	.4836	.4664
.150	-.1334	.3739	.7225	.5729	.0838
.175	-.1434	.3164	.4659	.5647	.2370
.200	.2773	.4373	.5732	.5704	

DATE 09 APR 75 TABULATED PRESSURE DATA - DAZZ8

LEFT VERTICAL (RBAV12)

ARC37-716 DAZZ 01

MACH ( 2 ) = 2.231 ALPHA ( 2 ) = 11.113

SECTION ( 3 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/84 -1.500 -3160 -6000 -8400 -9250

W/CV

.000 .6168 .5290 .4805 .4330 .4264  
 .025 .0729 .1183 .1634 .2087 .2452  
 .050 .1537 .1233 .1046 .0874 .0728  
 .100 .3121 .2197 .1634 .1200 .0797  
 .200 .1371 .1331 .1438 .1450 .1469  
 .300 .0352 .0513 .0562 .0513 .0165  
 .400 .1636 .2459 .2685 .2614 .0141  
 .500 .1190 .2353 .2469 .2400 .0153  
 .600 .2374 .2314 .2307 .2307 .0060

MACH ( 2 ) = 2.231 ALPHA ( 3 ) = 23.433

SECTION ( 3 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/84 -1.500 -3160 -6000 -8400 -9250

W/CV

.000 .5319 .7450 .4229 .2674 .2517  
 .025 .1169 .3233 .0360 .2458 .0208  
 .050 .0538 .1363 .0690 .0718 .0365  
 .100 .1758 .1379 .1233 .1373 .0389  
 .200 .3170 .1371 .0420 .0728 .0717  
 .300 .0395 .1290 .0217 .0472 .0486  
 .400 .2036 .0753 .2626 .0317 .0371  
 .500 .2128 .2283 .2481 .2710 .0108  
 .600 .1301 .2278 .2267 .2267 .0068

MACH ( 2 ) = 2.231 ALPHA ( 4 ) = 27.071

SECTION ( 3 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/84 -1.500 -3160 -6000 -8400 -9250

W/CV

.000 .2006 .5945 .5363 .2729 .2185  
 .025 .0719 .0523 .0280 .0380 .0273  
 .050 .3129 .0249 .0224 .0325 .0323  
 .100 .0322 .0351 .0457 .0424 .0472  
 .200 .0741 .0193 .0282 .0194 .0213  
 .300 .1363 .0244 .0378 .0342 .0751  
 .400 .2193 .0131 .0319 .0217 .0253  
 .500 .2169 .0123 .0319 .0217 .0388  
 .600 .1313 .0354 .0343 .0343 .0169





PARAMETRIC DATA

BETA = .000 ELEVON = .000  
RUDDER = .000 SPDBRK = 85.000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
LREF = 38.7090 INCHES YMRP = .0000 INCHES  
BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = 1.550 ALPHA ( 1 ) = -.130

DEPENDENT VARIABLE CP

SECTION ( 1 ) LEFT VERTICAL

Z/BV	.1580	.3160	.6000	.8400	.9250
X/CV					
.000	.7523	.6782	.6567	.6678	.8117
.025	.1240	.0937	-.0166	.4545	.5416
.050	.1544	.0836	.0018	.4712	.5493
.150	.3141	.2238	.1876	.5486	.6414
.300	.1872	.1408	.5358	.7232	.6214
.520	.0775	.0732	.6834	.7120	.4709
.685	-.3085	.8788	.7615	.7413	-.1493
.775	-.2398	.7246	.8733	.6549	-.2270
.900		.6443	.7362	.4796	-.3503

MACH ( 1 ) = 1.550 ALPHA ( 2 ) = 10.100

SECTION ( 1 ) LEFT VERTICAL

DEPENDENT VARIABLE CP

Z/BV	.1580	.3160	.6000	.8400	.9250
X/CV					
.000	.6523	.5050	.4371	.3743	.4963
.025	-.0325	.0219	-.0696	.0608	.3566
.050	-.0146	.0236	-.0608	.0679	.3593
.150	.2328	.1131	.0588	.3505	.3345
.300	.0689	.0259	.0699	.5130	.4965
.520	-.0407	-.0433	.4469	.4943	.2688
.685	-.3349	.6324	.5420	.4934	-.0454
.775	-.2991	.5256	.6955	.4923	-.2712
.900		.4679	.5512	.3981	-.3755

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OF POOR QUALITY

(RB4V13)

LEFT VERTICAL

TABULATED PRESSURE DATA - 04228  
ARC97-716 0422 01

DATE 03 APR 75

MACH ( 1 ) = 1.550 ALPHA ( 3 ) = 23.350  
SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .7986 .6759 .3421 .2221 .2869  
.025 -.1167 -.2451 -.2181 -.0960 .2017  
.050 -.0365 -.1363 -.1851 -.0870 .2104  
.150 .1230 -.0339 -.0343 .1256 .1373  
.300 -.0106 -.0585 -.0760 .3776 .3721  
.520 -.1493 -.1646 .3211 .3603 .1137  
.685 -.3058 .6409 .4202 .3743 -.1672  
.775 -.3495 .5045 .6477 .3676 -.3073  
.900 .4826 .4956 .3159 -.3800

MACH ( 1 ) = 1.550 ALPHA ( 4 ) = 27.000

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .8154 .9607 .4502 .1906 .1856  
.025 -.1289 -.2471 -.2546 -.1801 -.0352  
.050 -.0639 -.1926 -.1881 -.1785 .0314  
.150 .0171 -.2398 -.0888 -.0544 .0838  
.300 -.0728 -.2795 -.0852 .3044 .3202  
.520 -.1900 -.1555 .2894 .3130 .0645  
.685 -.3390 .2533 .4446 .3883 -.1755  
.775 -.3491 .4800 .6111 .4133 -.3119  
.900 .1487 .5200 .3183 -.3576

MACH ( 2 ) = 2.201 ALPHA ( 1 ) = -1.130

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .7314 .6895 .6786 .6722 .6783  
.025 .0755 .1981 .1400 .1261 .0878  
.050 .1640 .1923 .1643 .1261 .1017  
.150 .3486 .3250 .2881 .2870 .4402  
.300 .2465 .2358 .2255 .6516 .6341  
.520 .1331 .1453 .5344 .6887 .4350  
.685 -.1283 .7429 .7085 .7413 .1303  
.775 -.1434 .6132 .8322 .8748 .3398  
.900 .5335 .7305 .8213 -.1126



DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(RB4V13)

LEFT VERTICAL

ARC97-716 0422 01

MACH ( 2 ) = 2.201 ALPHA ( 2 ) = 10.110

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV  
 .000 .6117 .5266 .4803 .4316 .4278  
 .025 .0726 .1174 .0832 .0874 .0446  
 .050 .1481 .1191 .1054 .0849 .0595  
 .150 .3163 .2175 .1801 .1716 .2410  
 .300 .1368 .1337 .1246 .4462 .4922  
 .520 .0363 .0504 .4195 .4953 .2917  
 .685 -.1620 .5732 .5106 .5400 .0429  
 .775 -.1696 .5065 .6907 .6801 -.0733  
 .900 .5143 .6115 .6615 -.1649

MACH ( 2 ) = 2.201 ALPHA ( 3 ) = 20.400

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV  
 .000 .5372 .7402 .4270 .2843 .2633  
 .025 -.1035 .0217 .0363 .0465 .0237  
 .050 -.0557 .1108 .0668 .0498 .0384  
 .150 .1775 .1421 .130 .0972 .1041  
 .300 .0190 .0261 .0657 .2876 .3455  
 .520 .0311 .1040 .3198 .3383 .1513  
 .685 -.2102 .4000 .4625 .3879 .0304  
 .775 -.2122 .3017 .6409 .5913 .1254  
 .900 .1950 .5226 .5323 .1999

MACH ( 2 ) = 2.201 ALPHA ( 4 ) = 27.070

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV  
 .000 .2087 .5073 .5382 .2666 .2230  
 .025 -.0720 .0362 .0287 .0117 .0310  
 .050 .0117 .0216 .0233 .0072 .0181  
 .150 .0046 .0396 .0453 .0377 .0456  
 .300 .0025 .1538 .0360 .0407 .1408  
 .520 .1194 .1327 .0233 .2623 .1375  
 .685 .2197 .0030 .4667 .3534 .0037  
 .775 .2164 .0418 .5594 .4305 .1285  
 .900 .0230 .1941 .4354 .1866

DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(RB4V14) ( 10 OCT 73 )

LEFT VERTICAL

ARC97-716 0422 01

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000  
RUDDER = .000 SFD8RK = .000

REFERENCE DATA

SREF = 2.4210 SQ. FT. XMRP = 29.5800 INCHES  
LREF = 38.7390 INCHES YMRP = .0000 INCHES  
DREF = 38.7390 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = 2.201 BETA ( 1 ) = -5.070

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1580 .3160 .6000 .8400 .9250

X/CV  
.000 .6357 .5228 .4758 .4396 .4191  
.025 .3971 .3811 .3754 .3695 .3519  
.050 .3715 .3750 .3573 .3598 .3549  
.150 .2314 .2366 .3120 .3125 .3119  
.300 .1544 .2407 .2574 .2708 .2676  
.520 .0373 .1161 .1837 .2017 .2049  
.685 -.1173 -.1196 -.0831 -.0351 -.0527  
.775 -.1539 -.1229 -.0772 -.0095 -.0613  
.900 -.1265 -.0806 -.0050 -.0674

MACH ( 1 ) = 2.201 BETA ( 2 ) = .000

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1580 .3160 .6000 .8400 .9250

X/CV  
.000 .5982 .5299 .4776 .4234 .4255  
.025 .1049 .0751 .0489 .0472 .0064  
.050 .1809 .0828 .0576 .0452 .0092  
.150 .2803 .2086 .1634 .1320 .1441  
.300 .1375 .1248 .1212 .1322 .1383  
.520 .0305 .0334 .0684 .0947 .1015  
.685 -.1059 -.1590 -.1373 -.0995 -.1023  
.775 -.1746 -.1545 -.1434 -.1314 -.1211  
.900 -.1608 -.1431 -.1345 -.1285



DATE 09 APR 75 TABULATED PRESSURE DATA - 0A22B

(RB4V14)

LEFT VERTICAL

ARC97-716 0A22 01

MACH ( 1 ) = 2.251 BETA ( 3 ) = 4.980

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000	.5902	.4607	.4299	.3592	.3940
.025	.0177	.0391	-.0854	-.1280	-.1549
.050	.0083	.0342	-.0918	-.1508	-.1817
.100	.1023	.0032	-.0537	-.1357	-.0903
.200	.0084	.0105	-.0189	-.0782	-.0936
.300	.0009	-.0011	.0043	-.0386	.0363
.400	-.1497	-.1832	-.1634	-.1508	-.1470
.500	-.1864	-.1824	-.1721	-.1753	-.1633
.600		-.1877	-.1813	-.1830	-.1656

DATE 09 APR 71 TABULATED PRESSURE DATA - 04228

(BB4V13) ( 26 JAN 74 )

LEFT VERTICAL

ARC37-710 0422 01

PARAMETRIC DATA

MACH = 1.550 ELEVON = .000  
RUDDER = .000 SFD BRK = .000

REFERENCE DATA

SREF = 2.4210 SQ. FT. XMRP = 29.5800 INCHES  
LREF = 36.7330 INCHES YMRP = .0000 INCHES  
BREF = 36.7330 INCHES ZMRP = .0000 INCHES  
SCALE = .0300 SCALE

ALPHA ( 1 ) = -.130 BETA ( 1 ) = -4.340

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE C<sub>p</sub>

Z/B<sub>r</sub> .1500 .3160 .6000 .8400 .9250

X/CV

.000 .7133 .5791 .6177 .5543 .5162  
.025 .5365 .4629 .4220 .4451 .3452  
.050 .5402 .4505 .4177 .4317 .4331  
.100 .4296 .3511 .3594 .3810 .3831  
.150 .2773 .2639 .3264 .3255 .3225  
.200 .2042 .2185 .2029 .2177 .1959  
.250 .2452 .2338 .2259 .2453 .2311  
.300 .2539 .2372 .2219 .2602 .2430  
.350 .2415 .2386 .2603 .2510

ALPHA ( 1 ) = -.150 BETA ( 2 ) = .080

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE C<sub>p</sub>

Z/B<sub>r</sub> .1500 .3160 .6000 .8400 .9250

X/CV

.000 .7355 .6637 .6589 .5830 .5870  
.025 .1425 .1108 .0153 .0248 -.0247  
.050 .1769 .1028 .0230 .0119 -.0130  
.100 .3137 .2201 .1886 .1323 .2427  
.150 .1869 .1412 .1000 .1550 .1774  
.200 .3761 .0818 .0330 .1102 .1130  
.250 .3064 .3041 .2746 .2775 .2530  
.300 .3108 .3007 .2753 .2378 .2682  
.350 .3024 .2750 .3044 .2632



DATE 03 APR 75 REGULATED PRESSURE DATA - 04228

(RB4V15)

LEFT VERTICAL

ARC97-716 0422 01

ALPHA ( 1 ) = -.170 BETA ( 3 ) = 5.040

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE C<sub>P</sub>

Z/B <sub>V</sub>	.1500	.3160	.6000	.8400	.9250
Y/C <sub>V</sub>					
.000	.7082	.5986	.6014	.4829	.5225
.025	-.0327	-.1400	-.3408	-.3696	-.4177
.050	-.0569	-.1444	-.3198	-.3333	-.4448
.100	-.0851	-.0507	-.1990	-.3321	-.2507
.150	.1044	.0193	-.0009	-.2424	-.1908
.200	-.0051	-.0195	.0254	-.0424	-.0390
.250	-.3517	-.3587	-.3308	-.3514	-.2773
.300	-.3329	-.3607	-.3434	-.3633	-.2939
.350		-.3597	-.3514	-.3731	-.3005

ALPHA ( 2 ) = 10.090 BETA ( 1 ) = -5.070

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE C<sub>P</sub>

Z/B <sub>V</sub>	.1500	.3160	.6000	.8400	.9250
Y/C <sub>V</sub>					
.000	.6163	.4599	.4110	.3383	.3048
.025	.2266	.2917	.2491	.2639	.1758
.050	.3122	.2910	.2437	.2576	.2559
.100	.2239	.2110	.1915	.2047	.2352
.150	.0893	.1155	.1501	.1631	.1794
.200	.0167	.0522	.0639	.0687	.0912
.250	-.3327	-.2898	-.2873	-.2776	-.2717
.300	-.3330	-.2843	-.2836	-.3312	-.2820
.350		-.3089	-.2739	-.2375	-.2880

ALPHA ( 2 ) = 10.090 BETA ( 2 ) = .020

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE C<sub>P</sub>

Z/B <sub>V</sub>	.1500	.3160	.6000	.8400	.9250
Y/C <sub>V</sub>					
.000	.6430	.4939	.4362	.3439	.3415
.025	.0056	.0378	-.0503	-.0665	-.1023
.050	.0099	.0378	-.0369	-.0758	-.0399
.100	.2255	.1148	.0633	.0470	.1034
.150	.0768	.0240	.0345	.0143	.0508
.200	-.0433	-.0399	-.0272	-.0233	-.0325
.250	-.3357	-.3381	-.3314	-.3359	-.3351
.300	-.2385	-.2488	-.2324	-.2603	-.3225
.350		-.3441	-.3318	-.2636	-.3318

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A228

(RB4V13)

LEFT VERTICAL

ARC97-716 0A22 01

ALPHA ( 2 ) = 10.000 BETA ( 3 ) = 5.010

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .6440 .4733 .3961 .2776 .3103  
 .025 -.0145 -.1378 -.3144 -.3565 -.4048  
 .050 .0141 -.1519 -.3221 -.3912 -.4302  
 .100 .1649 -.0400 -.1831 -.3008 -.2914  
 .150 .0166 -.0424 -.1106 -.1917 -.2254  
 .200 -.1260 -.1324 -.0921 -.1200 -.0436  
 .250 -.3366 -.4142 -.3782 -.3638 -.3300  
 .300 -.3367 -.4139 -.3926 -.4035 -.3514  
 .350 -.3427 -.4013 -.4142 -.3564

ALPHA ( 3 ) = 20.320 BETA ( 1 ) = -5.340

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .5924 .2069 .3482 .2165 .1638  
 .025 -.4025 -.4459 .1313 .1505 .0633  
 .050 -.4695 -.4402 .1410 .1413 .1350  
 .100 -.4301 -.3576 .0989 .1018 .1275  
 .150 -.4115 -.2252 .0818 .0676 .0723  
 .200 -.3302 -.3294 .0377 .0056 -.0002  
 .250 -.3343 -.4349 -.3028 -.3087 -.3060  
 .300 -.2212 -.3090 -.2978 -.3385 -.3163  
 .350 -.3357 -.2924 -.3309 -.3203

ALPHA ( 3 ) = 20.330 BETA ( 2 ) = -0.070

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .7051 .6675 .3427 .1973 .1816  
 .025 -.1426 -.2557 -.2037 -.1513 -.1330  
 .050 -.0604 -.1394 -.1640 -.1540 -.1780  
 .100 .3939 .0673 .0335 .0463 .0356  
 .150 .3219 .1837 .0600 .0803 .0510  
 .200 .1575 .1625 .1026 .0987 .0857  
 .250 .3024 .4294 .3685 .3636 .3419  
 .300 .3412 .4521 .3770 .3306 .3582  
 .350 .4244 .3390 .3393 .3565





DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(RB4V15)

LEFT VERTICAL

ARC97-716 0422 01

ALPHA ( 3 ) = 20.340 BETA ( 3 ) = 5.250

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .6675 .3556 .3311 .1355 .1476  
 .025 .4560 .2025 .3248 .3731 .4129  
 .050 .4833 .2311 .3255 .4056 .4433  
 .100 .3485 .0960 .1823 .3352 .3328  
 .200 .1437 .0135 .1310 .2547 .2251  
 .320 .0565 .1260 .1178 .2342 .1300  
 .640 .3548 .1404 .1480 .3939 .3065  
 .775 .3376 .1495 .1477 .4387 .3839  
 .900 .3960 .1421 .1440 .4407 .3916

ALPHA ( 4 ) = 26.950 BETA ( 1 ) = -5.710

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .6557 .0754 .1341 .1283 .0826  
 .025 .4338 .15047 .2785 .0726 .0355  
 .050 .4201 .1264 .2386 .0639 .0716  
 .100 .3328 .15264 .1920 .0218 .0702  
 .200 .3335 .14408 .1860 .0335 .0124  
 .320 .14003 .11123 .2158 .0576 .0523  
 .640 .3772 .12865 .1419 .3429 .3268  
 .775 .3555 .11454 .14209 .3536 .3352  
 .900 .3454 .14109 .3539 .3352

ALPHA ( 4 ) = 26.970 BETA ( 2 ) = -.150

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/CV

.000 .8120 .3435 .4564 .1650 .1296  
 .025 .1479 .12072 .2572 .2102 .2456  
 .050 .0934 .12502 .1836 .2159 .2332  
 .100 .0323 .12649 .1059 .1215 .0484  
 .200 .0991 .11159 .1196 .1267 .0924  
 .320 .2114 .12632 .1625 .1587 .1333  
 .640 .4910 .14586 .1355 .3372 .3650  
 .775 .3067 .14488 .14374 .4223 .3813  
 .900 .4334 .14371 .4420 .3866

DATE 09 APR 75

TABULATED PRESSURE DATA - 0A22B

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ALPHA ( 4 ) = 27.000 BETA ( 3 ) = 5.510

(RB4V13)

LEFT VERTICAL

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .0693 .1845 .2185 .0755 .0852  
 .025 .3903 .4843 .1293 .3569 .3753  
 .050 .4216 .4198 .1122 .3887 .4033  
 .150 .3040 .2483 .0874 .3298 .2861  
 .300 .1200 .0505 .1133 .2466 .2364  
 .520 .0404 .1039 .1917 .2292 .1083  
 .685 .3556 .4110 .3842 .4328 .3888  
 .775 .3569 .4181 .3862 .4729 .4115  
 .900 .4257 .4007 .4739 .4242



PARAMETRIC DATA

MACH = 2.200 ELEVON = .000  
RUDDER = .000 SPDRK = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XREF = 29.5000 INCHES  
LREF = 30.7330 INCHES YREF = .0000 INCHES  
BREF = 30.7330 INCHES ZREF = .0000 INCHES  
SCALE = .0000 SCALE

ALPHA ( 1 ) = -.120 BETA ( 1 ) = -4.980

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE OF

Z/DV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .6957 .6154 .6459 .6729 .6295  
.025 .4573 .4306 .4636 .4636 .3827  
.050 .5546 .4359 .4644 .4532 .4582  
.075 .4577 .4157 .3391 .4132 .4287  
.100 .3264 .3229 .3478 .3632 .3726  
.125 .1995 .2256 .2595 .2871 .2877  
.150 .3854 .3626 .3343 .3114 .3197  
.175 .3315 .3019 .2675 .2445 .2320  
.200 .3577 .3348 .3050 .2750 .2538

ALPHA ( 1 ) = -.120 BETA ( 2 ) = -4.330

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE OF

Z/DV .1500 .3160 .6000 .8400 .9250

X/CV

.000 .6365 .6478 .6519 .6577 .6364  
.025 .3821 .4032 .4346 .4147 .3520  
.050 .5536 .4333 .4432 .4219 .4174  
.075 .4533 .4130 .3815 .3757 .4065  
.100 .3187 .3110 .3329 .3335 .3523  
.125 .1968 .2036 .2338 .2542 .2745  
.150 .3117 .3073 .2785 .2740 .2288  
.175 .3115 .3175 .3026 .3033 .3040  
.200 .3136 .3245 .3048 .3048 .3038

ARC97-716 0422 01

LEFT VERTICAL

(RB4V16)

ALPHA ( 1 ) = -.150 BETA ( 5 ) = -.000

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/2V

.000	.6965	.6875	.6811	.6620	.6569
.025	.6476	.6377	.6307	.6042	.6008
.050	.6008	.5907	.5815	.5615	.5504
.075	.5516	.5415	.5325	.5124	.5033
.100	.5033	.4935	.4846	.4646	.4551
.125	.4551	.4453	.4365	.4165	.4078
.150	.4078	.3980	.3892	.3692	.3605
.175	.3605	.3507	.3419	.3219	.3132
.200	.3132	.3034	.2946	.2746	.2659
.225	.2659	.2561	.2473	.2273	.2186
.250	.2186	.2088	.2000	.1800	.1713
.275	.1713	.1615	.1527	.1327	.1240
.300	.1240	.1142	.1054	.0854	.0767

ALPHA ( 1 ) = -.100 BETA ( 5 ) = 4.510

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/2V

.000	.6634	.6332	.6204	.5734	.6212
.025	.6089	.5787	.5659	.5189	.5667
.050	.5544	.5242	.5114	.4644	.5122
.075	.5000	.4698	.4570	.4100	.4578
.100	.4456	.4154	.4026	.3556	.4034
.125	.3912	.3610	.3482	.3012	.3490
.150	.3368	.3066	.2938	.2468	.2946
.175	.2824	.2522	.2394	.1924	.2402
.200	.2280	.1978	.1850	.1380	.1858
.225	.1736	.1434	.1306	.0836	.1314
.250	.1192	.0890	.0762	.0292	.0770
.275	.0648	.0346	.0218	-.0252	.0270
.300	.0104	-.0198	-.0326	-.0796	.0270

ALPHA ( 1 ) = -.100 BETA ( 5 ) = 4.970

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1500 .3160 .6000 .8400 .9250

X/2V

.000	.6165	.6272	.6136	.5587	.6151
.025	.5676	.5783	.5647	.5098	.5662
.050	.5187	.5294	.5158	.4609	.5173
.075	.4698	.4805	.4669	.4120	.4684
.100	.4209	.4316	.4180	.3631	.4195
.125	.3720	.3827	.3691	.3142	.3706
.150	.3231	.3338	.3202	.2653	.3217
.175	.2742	.2849	.2713	.2164	.2728
.200	.2253	.2360	.2224	.1675	.2240
.225	.1764	.1871	.1735	.1186	.1751
.250	.1275	.1382	.1246	.0697	.1262
.275	.0786	.0893	.0757	.0208	.0773
.300	.0297	.0404	.0268	-.0281	.0297



DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(RB4V16)

LEFT VERTICAL

ARC97-716 0422 01

ALPHA ( 2 ) = 13.120 BETA ( 1 ) = -5.813

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE OF

Z/8V .1500 .3160 .6000 .8400 .9250

W/CV

.000 .6229 .5166 .4627 .4130 .3676  
 .025 .4354 .4001 .4115 .3636 .3012  
 .050 .3591 .2999 .3698 .3535 .3540  
 .100 .2168 .2239 .3268 .3041 .3415  
 .150 .1556 .2312 .2722 .2604 .2675  
 .200 .1047 .1265 .1368 .2002 .2264  
 .250 .1618 .1153 .0724 .0504 .0515  
 .300 .1635 .1336 .0761 .0896 .0556  
 .350 .1363 .0776 .0223 .0593

ALPHA ( 2 ) = 13.110 BETA ( 2 ) = -.760

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE OF

Z/8V .1500 .3160 .6000 .8400 .9250

W/CV

.000 .6437 .5317 .4844 .4104 .4023  
 .025 .0548 .1518 .0349 .0759 .0254  
 .050 .1467 .1481 .1168 .0721 .0550  
 .100 .2003 .2188 .1843 .1686 .2265  
 .150 .1413 .1372 .1514 .1263 .1599  
 .200 .0343 .0509 .0825 .0939 .1116  
 .250 .1635 .1539 .1275 .1164 .0992  
 .300 .1172 .1373 .1568 .1520 .1134  
 .350 .1167 .1368 .1552 .1210

ALPHA ( 2 ) = 13.130 BETA ( 3 ) = 4.310

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE OF

Z/8V .1500 .3160 .6000 .8400 .9250

W/CV

.000 .6111 .4816 .4559 .3623 .3671  
 .025 .0359 .0160 .0056 .0120 .0172  
 .050 .1341 .0135 .0008 .0150 .0134  
 .100 .1848 .0165 .0145 .0261 .0139  
 .150 .1762 .0704 .0136 .0349 .0355  
 .200 .0066 .0354 .0245 .0315 .0497  
 .250 .1498 .1841 .1555 .1592 .1240  
 .300 .1871 .2302 .1722 .1802 .1537  
 .350 .2251 .1769 .1193 .1544

DATE 09 APR 75 TABULATED PRESSURE DATA - 34220

(H84V16)

LEFT VERTICAL

ALPHA ( 3 ) = 20.390 BETA ( 1 ) = -6.170  
SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE C°

Z/8'	.1500	.3100	.6000	.8400	.9250
W/CV					
.000	.0552	-.1251	.3114	.2390	.1990
.025	-.2470	-.2142	.2365	.2437	.1727
.050	-.2395	-.2147	.2335	.2253	.2159
.075	-.2551	-.2719	.1576	.1717	.2028
.100	-.2111	-.1791	.0938	.1262	.1494
.125	-.1642	-.1622	.0196	.0758	.0937
.150	-.2251	-.2321	-.1648	-.1176	-.1059
.175	-.2100	-.1929	-.1745	-.1451	-.1131
.200		-.1802	-.1782	-.1451	-.1158

ALPHA ( 3 ) = 20.400 BETA ( 2 ) = -.070  
SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE C°

Z/8'	.1500	.3100	.6000	.8400	.9250
W/CV					
.000	.5442	.7864	.4328	.2840	.2529
.025	-.1397	.0268	.0656	.0456	.0367
.050	-.0563	.1358	.1324	.0525	.0435
.075	.1645	.1239	.1265	.0803	.1158
.100	-.0115	-.0632	.0858	.0750	.0819
.125	-.1076	-.1422	.0172	.0234	.0373
.150	-.2156	-.2421	-.1647	-.1443	-.1338
.175	-.2122	-.2534	-.1760	-.1768	-.1476
.200		-.2522	-.1857	-.1832	-.1559

ALPHA ( 3 ) = 20.410 BETA ( 3 ) = 4.440  
SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE C°

Z/8'	.1500	.3100	.6000	.8400	.9250
W/CV					
.000	.3102	.1795	.3204	.1939	.2102
.025	.0860	.0384	-.1037	-.1258	-.1375
.050	.1093	.0637	-.1249	-.1460	-.1519
.075	.0557	.0577	-.1075	-.1150	-.1080
.100	.2220	.0391	-.0906	-.1077	-.1059
.125	.0711	.0192	-.0440	-.1151	-.1057
.150	-.1530	.1553	-.1725	-.2017	-.1637
.175	-.1691	-.1760	-.1895	-.2113	-.1846
.200		-.1907	-.1895	-.2300	-.1824



DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

RD4V16)

LEFT VERTICAL

ARC97-716 0422 31

ALPHA ( 4 ) = 27.060 BETA ( 1 ) = -6.515  
SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP  
Z/8V .1500 .3160 .6000 .8400 .9250

X/CV  
.000 .2262 .2665 -.1226 .1244 .0831  
.025 -.1569 -.2323 -.1835 .1450 .0809  
.050 -.1296 -.2663 -.1773 .1284 .1183  
.150 -.0991 -.2696 -.1453 .0904 .1225  
.300 -.1569 -.2503 -.1334 .0584 .0831  
.520 -.1914 -.2005 -.1463 .0244 .0.29  
.685 -.2360 -.2464 -.2280 -.1403 -.1.49  
.775 -.2284 -.2279 -.2288 -.1653 -.1333  
.900 -.2133 -.2144 -.1802 -.1387

ALPHA ( 4 ) = 27.070 BETA ( 2 ) = -.920  
SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP  
Z/8V .1500 .3160 .6000 .8400 .9250

X/CV  
.000 .2224 .5292 .5558 .2604 .2041  
.025 -.0718 -.0668 -.0395 -.0210 -.0506  
.050 .0375 .0380 .0111 -.0139 -.0240  
.150 .0123 .0720 .0312 .0316 .0649  
.300 .0755 .1848 .0323 .0006 .0249  
.520 .1457 .2100 .0880 .0424 .0147  
.685 .2222 .2484 .2167 .1876 .1590  
.775 .2209 .2442 .2254 .2112 .1773  
.900 .2444 .2304 .2137 .1825

ALPHA ( 4 ) = 27.100 BETA ( 3 ) = 4.700  
SECTION ( 1 ) LEFT VERTICAL DEFENDENT VARIABLE CP  
Z/8V .1500 .3160 .6000 .8400 .9250

X/CV  
.000 .2236 .3194 -.0216 .0823 .0999  
.025 .0252 .0576 .0851 .1761 .1897  
.050 .0752 .1368 .0809 .1996 .2135  
.150 .1454 .1665 .0878 .1974 .1270  
.300 .0659 .0801 .1195 .1179 .1338  
.520 .0498 .0334 .1338 .1264 .1391  
.685 .1899 .2119 .2004 .2377 .1890  
.775 .1998 .2268 .2001 .2567 .2072  
.900 .2364 .2335 .2471 .2151

ARC97-716 0A22 01

LEFT VERTICAL

(RB4V17) ( 26 JAN 74 )

## REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
 LREF = 38.7090 INCHES YMRP = .0000 INCHES  
 BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0300 SCALE

## PARAMETRIC DATA

MACH = 1.550 ELEVON = -20.000  
 RUDDER = .0000 SPOBRK = .0000

ALPHA ( 1 ) = -.150 BETA ( 1 ) = -5.030

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9200

X/CV

.000 .7094 .5780 .6132 .5478 .5121  
 .025 .5368 .4667 .4239 .4476 .3756  
 .050 .5381 .4550 .4265 .4321 .4338  
 .100 .4308 .3527 .3680 .3706 .3850  
 .200 .2804 .2721 .3300 .3231 .3194  
 .320 .2071 .2201 .2583 .2138 .1955  
 .505 -.2331 -.2488 -.2203 -.2506 -.2244  
 .775 -.2538 -.2335 -.2159 -.2037 -.2430  
 .900 -.2338 -.2026 -.2054 -.2523

ALPHA ( 1 ) = -.160 BETA ( 2 ) = -.060

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9200

X/CV

.000 .7299 .6666 .6548 .5767 .5783  
 .025 .1459 .1199 .0306 .0270 .0187  
 .050 .1336 .1136 .0382 .0126 .0036  
 .100 .5145 .2219 .1973 .1918 .2421  
 .200 .1407 .1430 .1780 .1575 .1800  
 .320 .0808 .0812 .1000 .1102 .1105  
 .505 -.3375 -.3048 -.2696 -.2807 -.2596  
 .775 -.3391 -.3061 -.2682 -.3110 -.2813  
 .900 -.3055 -.2686 -.3087 -.2827





DATE 09 APR 75 TABULATED PRESSURE DATA - 04228

(RB4V17)

LEFT VERTICAL

ARC97-716 0422 01

ALPHA ( 1 ) = -.193 BETA ( 3 ) = 4.930

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1580 .3160 .6000 .8400 .9250

X/CV  
 .000 .7042 .6010 .6012 .4881 .5433  
 .025 -.0291 -.1285 -.3378 -.3504 -.3880  
 .050 -.0553 -.1389 -.3119 -.3704 -.4139  
 .150 .0905 -.0478 -.1904 -.3059 -.2425  
 .300 .1074 .0278 .0127 -.2158 -.1786  
 .520 .0005 -.0172 .0333 -.0181 -.0064  
 .685 -.3442 -.3549 -.3269 -.3242 -.2711  
 .775 -.3202 -.3562 -.3375 -.3424 -.2933  
 .900 -.3549 -.3547 -.3475 -.3524 -.3003

ALPHA ( 2 ) = 10.073 BETA ( 1 ) = -5.160

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1580 .3160 .6000 .8400 .9250

X/CV  
 .000 .6049 .4652 .4067 .3390 .3048  
 .025 .2319 .2927 .2426 .2642 .2057  
 .050 .3103 .2977 .2403 .2516 .2536  
 .150 .2216 .2090 .1852 .2034 .2324  
 .300 .0925 .1196 .1516 .1685 .1771  
 .520 .0212 .0643 .0585 .0880 .0916  
 .685 -.3290 -.2336 -.3004 -.2787 -.2676  
 .775 -.3297 -.2843 -.2943 -.3016 -.2839  
 .900 -.3050 -.2848 -.2976 -.2906

ALPHA ( 2 ) = 10.073 BETA ( 2 ) = -.120

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V .1580 .3160 .6000 .8400 .9250

X/CV  
 .000 .6402 .4938 .4334 .3498 .3435  
 .025 -.0372 .0424 -.0445 -.0631 -.0890  
 .050 .0391 .0351 -.0362 -.0638 -.0853  
 .150 .2223 .1103 .0638 .0564 .0944  
 .300 .0573 .0308 .0439 .0250 .0506  
 .520 -.0424 -.0411 -.0233 .0128 -.0062  
 .685 -.3334 -.3464 .3294 .3251 .3055  
 .775 -.3031 -.3440 .3294 .3549 .3275  
 .900 -.3347 .3277 .3582 .3361

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LEFT VERTICAL (R04V17)

ARC97-716 0A22 01

ALPHA ( 2 ) = 10.060 BETA ( 3 ) = 4.920

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV  
 .000 .6426 .4806 .4009 .2821 .3209  
 .025 -.0107 -.1315 -.3088 -.3511 -.3989  
 .050 .0066 -.1455 -.3145 -.3856 -.4212  
 .100 .1691 -.0301 -.1771 -.3528 -.2914  
 .300 .0235 -.0374 -.0835 -.1851 -.2210  
 .520 -.1195 -.1278 -.0838 -.1107 -.0437  
 .685 -.3398 -.4365 -.3671 -.3601 -.3268  
 .775 -.3218 -.4092 -.3821 -.3966 -.3525  
 .900 -.3568 -.3898 -.4072 -.3595

ALPHA ( 3 ) = 20.300 BETA ( 1 ) = -5.360

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV  
 .000 .5969 .2335 .3433 .2095 .1636  
 .025 -.4899 -.4583 .1098 .1356 .0842  
 .050 -.4942 -.4529 .1277 .1272 .1286  
 .100 .1479 .3705 .0859 .0896 .1148  
 .300 -.4260 .2300 .0768 .0596 .0558  
 .520 .3516 .3379 .3007 .0131 .0076  
 .685 .4216 .4583 .3165 .3167 .3093  
 .775 .2632 .4166 .3094 .3463 .3240  
 .900 .3611 .3040 .3397 .3287

ALPHA ( 3 ) = 20.310 BETA ( 2 ) = -.070

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/BV .1500 .3160 .6000 .8400 .9250

X/CV  
 .000 .7862 .6744 .3448 .2028 .1876  
 .025 -.1367 .2541 .2014 .1543 .1888  
 .050 .0055 .1399 .1625 .1577 .1828  
 .100 .1048 .0641 .0301 .0435 .0138  
 .300 .0199 .0781 .0506 .0749 .0534  
 .520 .1533 .1616 .0375 .0364 .0879  
 .685 .3881 .4268 .3615 .3539 .3402  
 .775 .3060 .4295 .3636 .3844 .3592  
 .900 .4295 .3716 .3867 .3686



DATE 09 APR 75

TABULATED PRESSURE DATA - 0A228

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(RB4V17)

LEFT VERTICAL

ALPHA ( 3 ) = 20.330 BETA ( 3 ) = 5.360

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V	.1500	.3100	.6000	.8400	.9250	
X/CV	.000	.6325	-.2987	.3194	.1342	-.1471
.025	.4753	-.2101	-.3271	-.3719	-.4117	
.050	.4822	-.1978	-.3287	-.4057	-.4435	
.150	.3548	-.0988	-.1938	-.3364	-.3382	
.300	.1434	-.0129	-.1305	-.2635	-.2378	
.520	-.0505	-.1245	-.1604	-.2032	-.1327	
.685	-.3635	-.4005	-.4096	-.3967	-.3635	
.775	-.3325	-.4011	-.4136	-.4332	-.3838	
.900		-.4011	-.4233	-.4398	-.3914	

ALPHA ( 4 ) = 26.930 BETA ( 1 ) = -5.100

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V	.1500	.3100	.6000	.8400	.9250	
X/CV	.000	.6800	.1902	-.2549	.1549	-.1119
.025	-.4042	-.5376	-.2445	-.0636	.0233	
.050	-.3716	-.5267	-.1905	.0550	.0673	
.150	-.3243	-.5307	-.1418	.0243	.0577	
.300	-.3170	-.4497	-.1163	-.0309	.0100	
.520	-.4029	-.3243	-.1572	-.0508	-.0661	
.685	-.4196	-.4340	-.4073	-.3375	-.3284	
.775	-.3929	-.5051	-.4009	-.3537	-.3414	
.900		-.3477	-.4150	-.3478	-.3434	

ALPHA ( 4 ) = 26.960 BETA ( 2 ) = -.080

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8V	.1500	.3100	.6000	.8400	.9250	
X/CV	.000	.8085	.9536	.4428	.1704	-.1390
.025	-.1377	-.2773	-.2032	-.2078	-.2375	
.050	-.0662	-.2319	-.1882	-.2104	-.2292	
.150	.0106	-.2733	-.1582	-.1176	-.0672	
.300	-.0942	-.2540	-.1246	-.1209	-.0392	
.520	-.2119	-.2303	-.1708	-.1523	-.1434	
.685	-.4110	-.4447	-.4124	-.3854	-.3665	
.775	-.3934	-.4527	-.4434	-.4112	-.3864	
.900		-.4527	-.4437	-.4110	-.3824	

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(B84V17)

LEFT VERTICAL

ARC97-716 QM22 D1

ALPHA ( 4 ) = 26.980 BETA ( 3 ) = 5.180

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE CP

Z/8/ .1580 .3100 .6000 .8400 .9250

X/CV

.000	.6330	.1565	.2102	.0869	.0372
.025	.3454	.4649	-.1515	-.3422	-.3607
.050	.4123	.3967	-.1146	-.3706	-.3918
.100	.2884	.2246	-.0948	-.3081	-.2989
.150	.1150	.0586	-.1123	-.2251	-.2459
.200	-.0380	-.1008	-.1947	-.2208	-.1068
.250	-.3424	-.4039	-.3888	-.4136	-.3853
.300	-.3377	-.4106	-.3921	-.4506	-.4120
.350		-.4272	-.4365	-.4576	-.4240



DATE 09 APR 75

TABULATED PRESSURE DATA - 0A22B

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LEFT VERTICAL

(RB4V18) ( 26 JAN 74 )

## REFERENCE DATA

SREF = 2.4210 34.17. XREF = 29.5800 INCHES  
 LEFT = 38.7030 INCHES YREF = .0000 INCHES  
 RIGHT = 38.7030 INCHES ZREF = .0000 INCHES  
 SCALE = .0000 SCALE

ALPHA ( 1 ) = -.140 BETA ( 1 ) = -.5330

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE OF

Z/BV .1580 .3160 .6000 .8400 .9250

X/CV

.000 .6823 .6170 .6425 .6008 .6300  
 .025 .4643 .5309 .4708 .4644 .3903  
 .050 .5545 .5356 .4640 .4512 .4625  
 .150 .4679 .4258 .3934 .4101 .4302  
 .300 .3289 .3223 .3509 .3534 .3723  
 .520 .2100 .2207 .2558 .2308 .2900  
 .685 .1022 .1040 .1037 .1086 .1016  
 .775 .1083 .1005 .1042 .1049 .1038  
 .900 .1056 .1037 .1029 .1029 .1047

ALPHA ( 1 ) = -.170 BETA ( 2 ) = .080

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE OF

Z/BV .1580 .3160 .6000 .8400 .9250

X/CV

.000 .6856 .6868 .6826 .6647 .6605  
 .025 .0584 .1475 .0844 .0566 .0157  
 .050 .1172 .1476 .1027 .0566 .0231  
 .150 .3391 .3079 .2642 .2126 .1832  
 .300 .2343 .2247 .2507 .2275 .2439  
 .520 .1225 .1231 .1620 .1837 .1931  
 .685 .1153 .1270 .1089 .1072 .1050  
 .775 .1457 .1275 .1135 .1103 .1035  
 .900 .1344 .1146 .1183 .1183 .1030

## PARAMETRIC DATA

MACH = 2.200 ELEVON = -20.000  
 RUDDER = .000 SPOBRK = .000

DATE 09 APR 75 TABULATED PRESSURE DATA - 0A228

(RB4V18)

LEFT VERTICAL

ARC97-716 0A22 51

ALPHA ( 1 ) = -.200 BETA ( 3 ) = 4.870

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE OF

Z/8V	.1500	.3160	.6000	.8400	.9250
X/CV					
.000	.6545	.6236	.6156	.5729	.6230
.025	-.1059	-.1571	-.1662	-.1228	-.1323
.050	-.0327	-.1132	-.1456	-.1470	-.1617
.100	.0761	-.0760	-.0865	-.0900	-.0441
.200	.0960	.1293	-.0419	-.0570	-.0334
.300	.0532	.0588	.0343	-.0349	.0011
.400	-.1546	-.1608	-.1231	-.1783	-.1381
.500	-.1746	-.1655	-.1404	-.1903	-.1656
.600		-.1731	-.1458	-.1944	-.1676

ALPHA ( 2 ) = 10.100 BETA ( 1 ) = -4.980

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE OF

Z/8V	.1500	.3160	.6000	.8400	.9250
X/CV					
.000	.6336	.5164	.4753	.4308	.4000
.025	.3850	.3706	.3595	.3468	.2705
.050	.3720	.3667	.3570	.3376	.3317
.100	.2393	.2878	.3053	.2939	.3139
.200	.1455	.2305	.2761	.2519	.2627
.300	.0369	.1094	.1732	.1636	.2019
.400	-.1605	-.1293	-.0793	-.0534	-.0527
.500	-.1617	-.1303	-.0882	-.0307	-.0650
.600		-.1357	-.0863	-.0302	-.0728

ALPHA ( 2 ) = 10.100 BETA ( 2 ) = .110

SECTION ( 1 ) LEFT VERTICAL DEPENDENT VARIABLE OF

Z/8V	.1500	.3160	.6000	.8400	.9250
X/CV					
.000	.5348	.5251	.4769	.4135	.4116
.025	.0397	.0651	.0434	.0293	-.0106
.050	.1764	.0757	.0408	.0248	-.0074
.100	.2703	.2197	.1592	.1206	.1603
.200	.1454	.1246	.1513	.1184	.1457
.300	.0245	.0356	.0698	.0407	.1036
.400	-.1672	-.1618	-.1349	-.1097	-.0951
.500	-.1744	-.1594	-.1170	-.1403	-.1191
.600		-.1608	-.1465	-.1159	-.1287



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TABULATED PRESSURE DATA - 0A229  
ARC97-716 0A22 01  
LEFT VERTICAL  
(RB4V18)

ALPHA ( 2 ) = 10.080 BETA ( 3 ) = 1.853  
SECTION ( 1 ) LEFT VERTICAL  
DEPENDENT VARIABLE OF

Z/8V	.1500	.3160	.6000	.8400	.9250
X/CV					
.000	.5873	.4679	.4479	.3581	.3831
.025	.0332	.0157	-.0806	-.1346	-.1735
.050	.0038	.0133	-.0877	-.1602	-.1954
.075	.1340	.0116	-.0325	-.1439	-.0824
.100	.0833	.0349	.0132	-.0786	-.0760
.125	.0029	.0349	.0171	-.0136	.0491
.150	-.1437	-.1906	-.1565	-.1622	-.1383
.175	-.1837	-.1306	-.1702	-.1876	-.1579
.200		-.1324	-.1778	-.1964	-.1628

ALPHA ( 3 ) = 20.380 BETA ( 1 ) = -6.020  
SECTION ( 1 ) LEFT VERTICAL  
DEPENDENT VARIABLE OF

Z/8V	.1500	.3160	.6000	.8400	.9250
X/CV					
.000	.0382	-.1150	.3104	.2438	.2057
.025	-.2420	-.2040	.2525	.2440	.1845
.050	-.2540	-.2056	.2303	.2240	.2159
.075	-.2901	-.1347	.1524	.1720	.1377
.100	-.2048	-.1731	.0306	.1293	.1464
.125	-.1632	-.1569	.0206	.0783	.0969
.150	-.2166	-.1962	-.1671	-.1128	-.1316
.175	-.2016	-.1809	-.1718	-.1413	-.1126
.200		-.1819	-.1764	-.1418	-.1158

ALPHA ( 3 ) = 20.330 BETA ( 2 ) = .150  
SECTION ( 1 ) LEFT VERTICAL  
DEPENDENT VARIABLE OF

Z/8V	.1500	.3160	.6000	.8400	.9250
X/CV					
.000	.5244	.7189	.4206	.2535	.2431
.025	-.0452	-.0317	-.0289	-.0234	-.0355
.050	-.0519	.0548	-.0079	-.0331	-.0580
.075	.2082	.1576	.1037	.0294	.0718
.100	.0351	.0327	.0325	.0467	.0725
.125	-.0497	-.0379	.0110	.0140	.0313
.150	-.1334	-.2228	-.1642	-.1451	-.1314
.175	-.2701	-.0784	-.1793	-.1776	-.1385
.200		-.2112	-.1802	-.1817	-.1501

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(R84V18)

LEFT VERTICAL

ARC97-716 0422 01

ALPHA ( 3 ) = 20.400 BETA ( 3 ) = 4.913

SECTION ( 1 ) LEFT VERTICAL DEFICIENT VARIABLE OF

Z/B/	.1500	.3160	.6000	.8400	.9250
W/CV					
.000	.1260	.0475	.3376	.1864	.1988
.025	.1294	.0490	.3368	.1864	.1942
.050	.1301	.0509	.3330	.1836	.1955
.075	.1275	.0520	.3305	.1823	.1900
.100	.1239	.0537	.3268	.1810	.1839
.125	.1226	.0579	.3243	.1810	.1884
.150	.1232	.1436	.1964	.2061	.1734
.175	.1675	.1712	.2306	.2512	.1886
.200	.1820	.1964	.2516	.2516	.1936

ALPHA ( 4 ) = 27.030 BETA ( 1 ) = -5.120

SECTION ( 1 ) LEFT VERTICAL DEFICIENT VARIABLE OF

Z/B/	.1500	.3160	.6000	.8400	.9250
W/CV					
.000	.2101	.3935	-.0478	.1435	.1238
.025	-.1416	-.2263	-.1821	.0381	.0573
.050	-.1141	-.2527	-.1707	.0886	.0317
.075	-.0932	-.2655	-.1428	.0612	.0357
.100	-.1400	-.2539	-.1358	.0403	.0642
.125	-.1878	-.2017	-.1503	.0333	.0266
.150	-.2357	-.2465	-.2345	.1514	.1212
.175	-.2903	-.2283	-.2399	.1756	.1433
.200	-.2142	-.2325	.1812	.1450	

ALPHA ( 4 ) = 27.070 BETA ( 2 ) = .030

SECTION ( 1 ) LEFT VERTICAL DEFICIENT VARIABLE OF

Z/B/	.1500	.3160	.6000	.8400	.9250
W/CV					
.000	.2014	.4857	.3372	.2368	.1972
.025	.0772	.0379	.0791	.0778	.0341
.050	.0342	.0243	.0235	.0810	.0338
.075	.0227	.0229	.0545	.0245	.0176
.100	.0364	.1103	.0164	.0176	.0172
.125	.1249	.1258	.0706	.0712	.0312
.150	.1231	.1250	.0124	.1181	.0159
.175	.1218	.1250	.0220	.0223	.0179
.200	-.2532	.0225	.0224	.0224	.0181





DATE 03 APR 75 TABULATED 155716 DATA - 04223

(RB4V18)

AR 07-716 0422 11

LEFT VERTICAL

ALPHA (4.3) 27.030 BETA (3.3) 7.113

SECTION 1 LEFT VERTICAL DEPENDENT VARIABLE OF

Z/94 .1500 .1160 .0930 .0400 .0250

1/54

.000	.2153	.2276	-.0583	.0706	.0326
.025	-.0182	.0353	-.1372	-.1712	-.1940
.050	.0804	.1026	-.1340	-.1303	-.2085
.075	.1353	.1440	-.1104	-.1103	-.1340
.100	.0652	.0840	-.1148	-.1823	-.1534
.125	-.0456	-.2286	-.1514	-.1516	-.1270
.150	-.1858	-.2135	-.2167	-.2307	-.1353
.175	-.1324	-.0193	-.2045	-.2390	-.2110
.200		-.2274	-.2062	-.2342	-.2137